

Ladera Park Regional Stormwater Project

ADDENDUM

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Contents

Section	Page
1. Introduction.....	1
1.1 Purpose of this Addendum.....	1
1.2 CEQA Requirements.....	1
1.3 Adopted Mitigation Measures.....	2
2. Project Description.....	8
2.1 Project Location and Setting	8
2.2 Background	8
2.2.1 Enhanced Watershed Management Plan	8
2.2.2 Ladera Park History.....	8
2.2.3 Total Maximum Daily Load (TMDL) History	11
2.3 Project Objectives	13
2.4 Project Details	14
2.4.1 Diversion and Pretreatment System	14
2.4.2 Water Harvesting System.....	18
2.4.3 Infiltration Well System.....	19
2.4.4 Demonstration Garden and Other Improvements	20
2.4.5 Construction	23
2.4.6 Operations and Maintenance	25
2.4.7 Program-Level Mitigation Measures	25
2.5 Anticipated Permits and Other Approvals	25
3. Evaluation of Environmental Impacts	27
I. AESTHETICS.....	27
II. AGRICULTURE AND FORESTRY RESOURCES	29
III. AIR QUALITY	32
IV. BIOLOGICAL RESOURCES.....	38
V. CULTURAL RESOURCES	49
VI. GEOLOGY AND SOILS	58
VII. GREENHOUSE GAS EMISSIONS.....	63
VIII. HAZARDS AND HAZARDOUS MATERIALS	67
IX. HYDROLOGY AND WATER QUALITY	76
X. LAND USE PLANNING	84
XI. MINERAL RESOURCES	86
XII. NOISE	89
XIII. POPULATION AND HOUSING.....	99
XIV. PUBLIC SERVICES	101
XV. RECREATION.....	104
XVI. TRANSPORTATION AND TRAFFIC	106
XVII. UTILITIES AND SERVICE SYSTEMS.....	111
4. References	114

List of Figures

Figure 2-1	Ladera Park Location Map
Figure 2-2	Proposed Project Drainage Area
Figure 2-3	Proposed Project Aerial View
Figure 2-4	Proposed Project Site Layout
Figure 2-5	Proposed Project Schematic
Figure 2-6	Project Flow Chart
Figure 2-7	Small Stormwater Processing Skid and Cabinet
Figure 2-8	Demonstration Garden Landscape Plan
Figure 2-9	Ladera Park Photos
Figure 2-10	Staging Area across from Yvonne B. Burke Sports Complex Baseball Fields
Figure 3-1	Sound Measurement Locations

List of Tables

Table 1-1	Mitigation Measure Status
Table 3-1	Maximum Daily Unmitigated Project Construction Emissions
Table 3-2	Maximum Unmitigated Localized Daily Project Construction Emissions
Table 3-3	Known and Potential Occurrence of Special-Status Plant Taxa Within the Project Area
Table 3-4	Known and Potential Occurrence of Special-Status Wildlife Species Within and Adjacent to the Project Area
Table 3-5	Previous Surveys within ¼-mile of the Project Area
Table 3-6	Greenhouse Gas Emissions
Table 3-7	Project Consistency with Applicable Plans, Policies, and Regulations for GHG Emissions
Table 3-8	California GHG Reduction Strategies
Table 3-9	Ambient Noise Levels Representative of the Project Area
Table 3-10	Residential Structure Construction Noise Limits
Table 3-11	Guideline Vibration Damage Potential Threshold Criteria
Table 3-12	Guideline Vibration Annoyance Potential Threshold Criteria
Table 3-13	Exterior Noise Limits
Table 3-14	Noise Levels and Usage Factors for Construction Equipment
Table 3-15	Population, Housing, and Employment

Appendices

A.	List of Preparers
B.	Detailed Construction Information
C.	Cultural and Tribal Resources
D.	Environmental Data Resources (EDR) Report
E.	Air Quality Calculations

Acronyms

§	Section
AB 52	Assembly Bill 52
ADA	Americans with Disabilities Act
AQMP	Air Quality Management Plan
BMP	Best Management Practices
CAAQS	California Ambient Air Quality Standards
Cal-EPA	California Environmental Protection Agency
CARB	California Air Resources Board
CBC	California Building Code
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CGS	California Geological Survey
CNDDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CRHR	California Register of Historical Resources
CWA	Clean Water Act
cy	cubic yard(s)
dB	decibel
dBA	A-weighted decibel
DOC	Department of Conservation
DPR	Department of Parks and Recreation (County of Los Angeles)
DPW	Department of Public Works (County of Los Angeles)
EDR	Environmental Data Resources
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FMMP	Farmland Monitoring and Mapping Program
GHG	Greenhouse Gases
HCP/NCCP	Habitat Conservation Plan/Natural Community Conservation Plan
LASD	Los Angeles County Sheriff's Department
LARWQCB	Los Angeles Regional Water Quality Control Board

Ldn	Day/Night Average Noise Level
Leq	equivalent continuous noise level
LOS	level of service
LST	localized significance threshold
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
ND	Negative Declaration
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O&M	Operation and Maintenance
PM10	particulate matter (less than 10 microns in diameter)
PM2.5	particulate matter (less than 2.5 microns in diameter)
PPV	peak particle velocity
RCRA	Resource Conservation and Recovery Act
RWQCB	Regional Water Quality Control Board
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SMARA	California Surface Mining and Reclamation Act
SVP	Society of Vertebrate Paleontology
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCR	Tribal Cultural Resource
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VdB	vibration decibels with reference velocity of 1×10^{-6} inches per second
VOC	volatile organic compound

1. Introduction

1.1 Purpose of this Addendum

As part of the Enhanced Watershed Management Program (EWMP) for the Ballona Creek Watershed (BCWMP, 2016) submittal to the Los Angeles Regional Water Quality Control Board (LARWQCB), Los Angeles County (County) certified the 2015 Los Angeles County Flood Control District Enhanced Watershed Management Programs Final Environmental Impact Report (PEIR) on May 26, 2015 (DPW, 2015). The PEIR analyzed the general effects due to the structural and non-structural best management practices (BMPs) identified in the 12 EWMPs submitted to the LARWQCB. Ladera Park was one of the BMPs identified as a regional structural project in the PEIR – denoted as a priority project (PEIR Appendix G, Figure A, ID Number 4). The PEIR analyzed the general effects of the BMPs and identified program mitigation measures (PMMs) to reduce potential impacts; however, site-specific environmental analysis was not completed.

The purpose of this Addendum to the PEIR is to evaluate the site-specific environmental effects associated with the proposed Ladera Park Regional Stormwater Project (proposed Project) and determine whether these impacts are consistent with the evaluation presented in the PEIR in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code Sections 21000 et seq.) and the State CEQA Guidelines (California Code of Regulations Sections 15000 et seq.).

1.2 CEQA Requirements

An Addendum to an Environmental Impact Report is the appropriate tool to evaluate the environmental effects associated with *minor modifications* to previously approved projects. In the case of a PEIR, if the agency finds that pursuant to State CEQA Guidelines Section 15162 (see below), no new effects could occur or new mitigation measures would be required, the agency (County) can approve the site-specific activity as being within the scope of the program covered by the PEIR, and no new environmental document would be required.

According to State CEQA Guidelines Section 15164(a), "the lead agency or a responsible agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred." An addendum may be prepared if only minor technical changes or additions are necessary. A brief explanation of the decision not to prepare a subsequent EIR must also be provided in the addendum, findings or the public record.

State CEQA Guidelines Section 15162 lists the conditions that would require the preparation of a subsequent EIR or negative declaration rather than an addendum. These include the following:

1. Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

3. New information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous EIR;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measures or alternative; or
 - d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

The proposed Ladera Park Regional Stormwater Project is described in detail within Section 2 of this Addendum, and the site-specific impacts of this project would be as described and analyzed in the PEIR. The proposed Project has been reviewed by the County of Los Angeles in light of State CEQA Guidelines Sections 15162 and 15163 (see Section 3). As the CEQA Lead Agency, the County of Los Angeles has determined, based on the analysis presented herein, that none of the conditions apply which would require preparation of a subsequent or supplemental EIR and that an Addendum to the certified PEIR is the appropriate environmental documentation under CEQA for the proposed Project.

Section 3 discusses issue-by-issue how the impacts anticipated for the proposed Project would be within those previously identified in the PEIR. The Mitigation Monitoring and Reporting Program (MMRP) adopted with the PEIR would continue to apply to the proposed Project to ensure all significant impacts are reduced to a less-than-significant level.

1.3 Adopted Mitigation Measures

The PEIR (DPW, 2015) identified mitigation measures that reduce the potential significant impacts of the anticipated structural and non-structural BMPs identified in the 12 EWMPs submitted to the LARWQCB. These program mitigation measures (PMMs) were approved as part of the certification of the PEIR. The PMMs that apply to the proposed Project are listed below. The implementing agency for these measures would be the Los Angeles County Department of Public Works (DPW).

Aesthetics

AES-1: Aboveground structures shall be designed to be consistent with local zoning codes and applicable design guidelines and to minimize features that contrast with neighboring development.

AES-2: Implementing agencies shall develop BMP maintenance plans that are approved concurrently with each structural BMP approval. The maintenance plans must include measures to ensure functionality of the structural BMPs for the life of the BMP. These plans may include general maintenance guidelines that apply to a number of smaller distributed BMPs.

Air Quality

AIR-1: Implementing agencies shall require for large regional or centralized BMPs the use of low-emission equipment meeting Tier II emissions standards at a minimum and Tier III and IV emissions standards where available as California Air Resources Board (CARB)-required emissions technologies become readily available to contractors in the region.

Biological Resources

BIO-5: If construction and vegetation removal is proposed between February 1 and August 31, a qualified biologist shall conduct a pre-construction survey for breeding and nesting birds and raptors within 500-feet of the construction limits to determine and map the location and extent of breeding birds that could be affected by the project. Active nest sites located during the pre-construction surveys shall be avoided until the adults and young are no longer reliant on the nest site for survival as determined by a qualified biologist.

Cultural Resources

CUL-1: For individual EWMP projects that could impact buildings or structures (including infrastructure) 45 years old or older, implementing agencies shall ensure that a historic built environment survey is conducted or supervised by a qualified historian or architectural historian meeting the Secretary of the Interior's Professional Qualification Standards for Architectural History. Historic built environment resources shall be evaluated for their eligibility for listing in the CRHR or local register prior to the implementing agency's approval of project plans. If eligible resources that would be considered historical resources under CEQA are identified, demolition or substantial alteration of such resources shall be avoided. If avoidance is determined to be infeasible, the implementing agency shall require the preparation of a treatment plan to include, but not be limited to, photo-documentation and public interpretation of the resource. The plan will be submitted to the implementing agency for review and approval prior to implementation.

CUL-2: Implementing agencies shall ensure that individual EWMP projects that require ground disturbance shall be subject to a Phase I cultural resources inventory on a project-specific basis prior to the implementing agency's approval of project plans. The study shall be conducted or supervised by a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology, and shall be conducted in consultation with the local Native American representatives expressing interest. The cultural resources inventory shall include a cultural resources records search to be conducted at the South Central Coastal Information Center; scoping with the NAHC and with interested Native Americans identified by the NAHC; a pedestrian archaeological survey where deemed appropriate by the qualified archaeologist; and formal recordation of all identified archaeological resources on California Department of Parks and Recreation 523 forms and significance evaluation of such resources presented in a technical report following the guidelines in *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format*, Department of Parks and Recreation, Office of Historic Preservation, State of California, 1990.

If potentially significant archaeological resources are encountered during the survey, the implementing agency shall require that the resources are evaluated by the qualified archaeologist for their eligibility for listing in the CRHR and for significance as a historical resource or unique archaeological resource per CEQA Guidelines Section 15064.5. Recommendations shall be made for treatment of these resources if found to be significant, in consultation with the implementing agency and the appropriate Native American groups for prehistoric resources. Per CEQA Guidelines Section 15126.4(b)(3), preservation in place shall be the preferred manner of mitigation to avoid impacts to archaeological resources qualifying as historical resources. Methods of avoidance may include, but shall not be limited to, project reroute or redesign, project

cancellation, or identification of protection measures such as capping or fencing. Consistent with CEQA Guidelines Section 15126.4(b)(3)(C), if it is demonstrated that resources cannot be avoided, the qualified archaeologist shall develop additional treatment measures, which may include data recovery or other appropriate measures, in consultation with the implementing agency, and any local Native American representatives expressing interest in prehistoric or tribal resources. If an archaeological site does not qualify as an historical resource but meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site shall be treated in accordance with the provisions of Section 21083.2.

CUL-3: The implementing agency shall retain archaeological monitors during ground-disturbing activities that have the potential to impact archaeological resources qualifying as historical resources or unique archaeological resources, as determined by a qualified archaeologist in consultation with the implementing agency, and any local Native American representatives expressing interest in the project. Native American monitors shall be retained for projects that have a high potential to impact sensitive Native American resources, as determined by the implementing agency in coordination with the qualified archaeologist.

CUL-4: During project-level construction, should subsurface archaeological resources be discovered, all activity in the vicinity of the find shall stop and a qualified archaeologist shall be contacted to assess the significance of the find according to CEQA Guidelines Section 15064.5. If any find is determined to be significant, the archaeologist shall determine, in consultation with the implementing agency and any local Native American groups expressing interest, appropriate avoidance measures or other appropriate mitigation. Per CEQA Guidelines Section 15126.4(b)(3), preservation in place shall be the preferred means to avoid impacts to archaeological resources qualifying as historical resources. Methods of avoidance may include, but shall not be limited to, project reroute or redesign, project cancellation, or identification of protection measures such as capping or fencing. Consistent with CEQA Guidelines Section 15126.4(b)(3)(C), if it is demonstrated that resources cannot be avoided, the qualified archaeologist shall develop additional treatment measures, such as data recovery or other appropriate measures, in consultation with the implementing agency and any local Native American representatives expressing interest in prehistoric or tribal resources. If an archaeological site does not qualify as an historical resource but meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site shall be treated in accordance with the provisions of Section 21083.2.

CUL-5: For individual structural BMP projects that require ground disturbance, the implementing agency shall evaluate the sensitivity of the project site for paleontological resources. If deemed necessary, the implementing agency shall retain a qualified paleontologist to evaluate the project and provide recommendations regarding additional work, potentially including testing or construction monitoring.

CUL-6: In the event that paleontological resources are discovered during construction, the implementing agency shall notify a qualified paleontologist. The paleontologist will evaluate the potential resource, assess the significance of the find, and recommend further actions to protect the resource.

CUL-7: The implementing agency shall require that, if human remains are uncovered during project construction, work in the vicinity of the find shall cease and the County Coroner shall be contacted to evaluate the remains, following the procedures and protocols set forth in Section 15064.5 (e)(1) of the CEQA Guidelines. If the County Coroner determines that the remains are Native American, the Coroner will contact the Native American Heritage Commission, in accordance with Health and Safety Code Section 7050.5, subdivision (c), and Public Resources Code 5097.98 (as amended by AB 2641). The NAHC will then designate a Most Likely

Descendant of the deceased Native American, who will engage in consultation to determine the disposition of the remains.

Geologic and Mineral Resources

GEO-1: Prior to approval of infiltration BMPs, implementing agencies shall conduct a geotechnical investigation of each infiltration BMP site to evaluate infiltration suitability. If infiltration rates are sufficient to accommodate an infiltration BMP, the geotechnical investigation shall recommend design measures necessary to prevent excessive lateral spreading that could destabilize neighboring structures. Implementing agencies shall implement these measures in project designs.

GEO-2: Prior to installing BMPs designed to recharge the local groundwater supplies, the Implementing Agency shall notify local groundwater managers, including the Upper Los Angeles River Area Water Master, the Water Replenishment District of Southern California, or the San Gabriel Water Master as well as local water producers such as local municipalities and water companies. The Implementing Agency shall coordinate BMP siting efforts with groundwater managers and producers to mitigate high groundwater levels while increasing local water supplies.

Hazards and Hazardous Materials

HAZ-1: Implementing agencies shall prepare and implement maintenance practices that include periodic removal and replacement of surface soils and media that may accumulate constituents that could result in further migration of constituents to sub-soils and groundwater. A BMP Maintenance Plan shall be prepared by Implementing Agencies upon approval of the BMP projects, that identifies the frequency and procedures for removal and/or replacement of accumulated debris, surface soils and/or media (to depth where constituent concentrations do not represent a hazardous condition and/or have the potential to migrate further and impact groundwater) to avoid accumulation of hazardous concentrations and the potential to migrate further to sub-soils and groundwater. The BMP Maintenance Plan may consist of a general maintenance guideline that applies to several types of smaller distributed BMPs. For smaller distributed BMPs on private property, these plans may consist of a maintenance covenant that includes requirements to avoid the accumulation of hazardous concentrations in these BMPs that may impact underlying subsoils and groundwater. Structural BMPs shall be designed to prevent migration of constituents that may impact groundwater.

Hydrology and Water Quality

HYDRO-1: Prior to approving an infiltration BMP, the Permittee shall conduct an evaluation of the suitability of the BMP location. Appropriate infiltration BMP sites should avoid areas with low permeability where recharge could adversely affect neighboring subsurface infrastructure.

HYDRO-2: Prior to approving an infiltration BMP, the Permittee shall identify pretreatment technologies, type, and depth of filtration media; depth to groundwater; and other design considerations necessary to prevent contaminants from impacting groundwater quality. The design shall consider stormwater quality data within the BMP's collection area to assess the need and type of treatment and filtration controls. Local design manuals and ordinances requiring minimum separation distance to groundwater shall also be met as part of the design.

HYDRO-3: Prior to the installation of an infiltration BMP, the Permittee shall conduct a regulatory database review for contaminated groundwater sites within a quarter mile of the proposed infiltration facility. The review shall include locations of on-site wastewater treatment systems that could be affected by the BMP. The Permittee shall identify whether any contaminated groundwater plumes or leach fields are present within close proximity to the BMP location that

could be affected by infiltrated water and whether coordination with the local and state environmental protection overseeing agency and responsible party is warranted prior to final design of infiltration facility.

Noise

NOISE-1: The implementing agencies shall implement the following measures during construction as needed:

- Include design measures necessary to reduce the construction noise levels to where feasible. These measures may include noise barriers, curtains, or shields.
- Place noise-generating construction activities (e.g., operation of compressors and generators, cement mixing, general truck idling) as far as possible from the nearest noise-sensitive land uses.
- Locate stationary construction noise sources as far from adjacent noise-sensitive receptors as possible.
- If construction is to occur near a school, the construction contractor shall coordinate the with school administration in order to limit disturbance to the campus. Efforts to limit construction activities to non-school days shall be encouraged.
- For the centralized and regional BMP projects located adjacent to noise-sensitive land uses, identify a liaison for these off-site sensitive receptors, such as residents and property owners, to contact with concerns regarding construction noise and vibration. The liaison's telephone number(s) shall be prominently displayed at construction locations.

For the centralized and regional BMP projects located adjacent to noise-sensitive land uses, notify in writing all landowners and occupants of properties adjacent to the construction area of the anticipated construction schedule at least 2 weeks prior to groundbreaking.

NOISE-2: All structural BMPs that employ mechanized stationary equipment that generate noise levels shall comply with the applicable noise standards established by the implementing agency with jurisdiction over the structural BMP site. The equipment shall be designed with noise-attenuating features (e.g., enclosures) and/or located at areas (e.g., belowground) where nearby noise-sensitive land uses would not be exposed to a perceptible noise increase in their noise environment.

Public Services and Recreation

PS-1: The Permittee implementing the EWMP project shall provide reasonable advance notification to service providers such as fire, police, and emergency medical services as well as to local businesses, homeowners, and other residents adjacent to and within areas potentially affected by the proposed EWMP project about the nature, extent, and duration of construction activities. Interim updates should be provided to inform them of the status of the construction activities.

Transportation and Circulation

TRAF-1: For projects that may affect traffic, implementing agencies shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:

- Develop circulation and detour plans to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.
- To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.

- Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.
- Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.

Utilities and Service Systems

UTIL-1: Prior to implementation of BMPs, the implementing agency shall conduct a search for local utilities above and below ground that could be affected by the project. The implementing agencies shall contact each utility potentially affected to address relocation of the utility if necessary to ensure access and services are maintained.

UTIL-3: Implementing agencies shall encourage construction contractors to recycle construction materials and divert inert solids (asphalt, brick, concrete, dirt, fines, rock, sand, soil, and stone) from disposal in a landfill where feasible. Implementing agencies shall incentivize construction contractors with waste minimization goals in bid specifications where feasible.

As part of the design process and to support preparation of this Addendum, several of the PEIR mitigation measures have already been complied with, as shown in Table 1-1, and described in Section 3 of this Addendum.

Mitigation Measure	Status
AES-1	Complete – See Section 3, Part I.
AES-2	To be implemented prior to construction and during operations.
AIR-1	To be implemented prior to and during construction.
BIO-5	To be implemented during construction.
CUL-1	Partially Complete – Historic Built Environment Survey completed; Treatment Plan to be developed. See Section 3, Part V.
CUL-2	Complete – See Section 3, Part V.
CUL-3	To be implemented during construction.
CUL-4	To be implemented during construction.
CUL-5	Complete – See Section 3, Part V.
CUL-6	To be implemented during construction.
CUL-7	To be implemented during construction.
GEO-1	Complete – See Section 3, Part VI.
GEO-2	To be implemented prior to and during construction.
HAZ-1	To be implemented during operations.
HYDRO-1	Completed – See Section 3, Part VI.
HYDRO-2	Completed – See Section 3, Part IX.
HYDRO-3	Completed – See Section 3, Part IXI.
NOISE-1	To be implemented during construction.
NOISE-2	To be implemented during construction.
PS-1	To be implemented during construction.
TRAF-1	To be implemented prior to and during construction.
UTIL-1	To be implemented as part of final design.
UTIL-3	To be implemented prior to and during construction.

2. Project Description

2.1 Project Location and Setting

The proposed Project would be located within Ladera Park, which is a 15.84-acre park located at 6027 Ladera Park Avenue, Windsor Hills in the unincorporated area of Los Angeles County, as shown in Figure 2-1. Adjacent land uses to Ladera Park include commercial (along West Slauson Avenue) and residential. Ladera Park is under the jurisdiction of the Department of Parks and Recreation (DPR). Due to DPR's request to preserve recreational opportunities and their recent improvements to Ladera Park (see Section 2.2.2, Ladera Park History), the proposed Project would be constructed within the northeast corner of the Park near the intersection of West Slauson Avenue and Ladera Park Avenue, which consists of a lesser used, open space away from Park recreation activities.

This Park is located within the densely urbanized Ballona Creek Watershed area of Los Angeles County. The portion of the Ballona Creek Watershed draining to Ladera Park consists of an area of approximately 110 acres, bounded by Stocker Street to the north, South La Brea Avenue to the west, West Mount Vernon Drive and Overhill Drive to the east, and West 59th Place to the south, as shown in Figure 2-2.

2.2 Background

2.2.1 Enhanced Watershed Management Plan

The 2015 PEIR (DPW, 2015) analyzed the general effects due to the structural and non-structural BMPs identified in the 12 EWMPs submitted to the LARWQCB. Ladera Park was one of the projects identified as a regional structural project in the PEIR – denoted as a priority project (PEIR Figure A, ID Number 4). The PEIR analyzes the general effects of the BMPs and identifies PMMs that can reduce potential impacts; however, site-specific environmental analysis was not completed.

2.2.2 Ladera Park History

Ladera Park opened in 1938 and is part of the DPR park system. In 2008, numerous improvements were completed at Ladera Park in order to modernize it. The sports facilities, including the basketball court, tennis courts, and baseball field were all renovated in order to serve the local neighborhood with a venue for extracurricular activities. A jungle gym at the northern end of the Park was replaced and the outdoor amphitheater at the southern end was refurbished. The Community Center at the south end of the Park was replaced with a brand-new structure intended to welcome the neighboring community and host local events. The adjoining parking lot was repaved, landscaped medians were added, and new plantings were installed along the edges. Overall, Ladera Park offers an assortment of amenities to satisfy the needs of the local community from youths to adults. While the drainage area (as defined in Figure 2-2) of the proposed Project does not directly serve a disadvantaged community, the Park serves the disadvantaged communities in the nearby Cities of Inglewood and Los Angeles.





Figure 2-2. Proposed Project Drainage Area

In 1957 the Ladera Park Drain, a 69-inch diameter reinforced concrete pipe (RCP) owned and currently maintained by DPR, was constructed through the middle of Ladera Park (see Figure 2-3). This drain replaced an earthen-banked channel with a concrete invert. Prior to these flood control improvements, the site was a natural drainage course.

Road Department Drain (RDD) 181 is a 39-inch diameter RCP that was transferred from Road Maintenance Division to the Los Angeles County Flood Control District for ownership and is maintained by Flood Maintenance Division (FMD). RDD 181 connects to the Ladera Park Drain at West Slauson Avenue at the north end of the Park as shown in Figure 2-3. Ladera Park Drain eventually drains to Centinela Creek, which drains to the Ballona Creek, which ultimately discharges to the Santa Monica Bay.

A Preliminary Environmental Site Screening (PESS) Report was prepared by the County's Geotechnical and Materials Engineering Division (GMED) in July 2015 (LADWP-GMED, 2015), and found that the proposed Project location may have impacts due to past underground storage tanks at a nearby automotive fueling station that may affect subsurface soil conditions. Soil samples were retrieved from several of the borings during the geotechnical investigation conducted as part of GMED's Infiltration Study (November 2016) per PMM GEO-1, and tested by Envirochem, Inc. It was concluded that there is a low risk for mobilization of constituents. The Infiltration Study (Kleinfelder, 2016) also stated that groundwater is not a concern as it is expected to be deeper than 150 feet below the surface.

In April 2017, Sapphos Environmental, Inc. prepared a Historical Resource Evaluation for Ladera Park which found that Ladera Park and its structures, which were constructed over a 72-year period from 1936 to 2008, meet the criteria to be treated as a historical resource pursuant to Section 15064.5(a) of the California Environmental Quality Act (CEQA) Guidelines. The landscape, setting, two buildings, and some structures retain sufficient historic integrity and meet the criteria for listing in the National Register of Historic Places, California Register of Historical Resources, and County of Los Angeles Register of Landmarks and Historic Districts as a historic district (Sapphos Environmental, Inc., 2017).

2.2.3 Total Maximum Daily Load (TMDL) History

Segments of Ballona Creek were identified by the LARWQCB to be impaired by varying pollutants, which have been determined to adversely affect the beneficial uses of those waters. Ballona Creek TMDLs have been established for trash, toxics, metals, bacteria, and sediment. In addition, Santa Monica Bay TMDLs for marine debris and organic pesticides also apply to the Ballona Creek watershed, as a tributary of the Santa Monica Bay. TMDLs are established to develop an implementation plan to achieve water quality standards.

Over the past several years, bacteria and metals water quality monitoring data has shown that the Ballona Creek and its tributaries periodically exceeded the water quality objectives set in the TMDLs. The deadline to comply with the Ballona Creek wet weather Bacteria TMDL is July 15, 2021, and the Ballona Creek wet weather Metals TMDL deadline is January 11, 2021. To address these pollutants and TMDLs, Ladera Park was recognized as a favorable location for a centralized underground infiltration system BMP site in the 2010 County of Los Angeles Ballona Creek Multi-Pollutant TMDL Implementation Plan. It was also identified as a priority regional project in the approved Ballona Creek Enhanced Watershed Management Program (EWMP) plan, where construction was scheduled to be completed by September 2019.

A centralized BMP at Ladera Park could help the County address its TMDL compliance efforts by retaining the 85th percentile 24-hour storm event volume from the 110-acre Ballona Creek Watershed area, which covers entirely unincorporated County area. The 85th percentile 24-hour storm event is an important storm to target since the 2012 National Pollutant Discharge

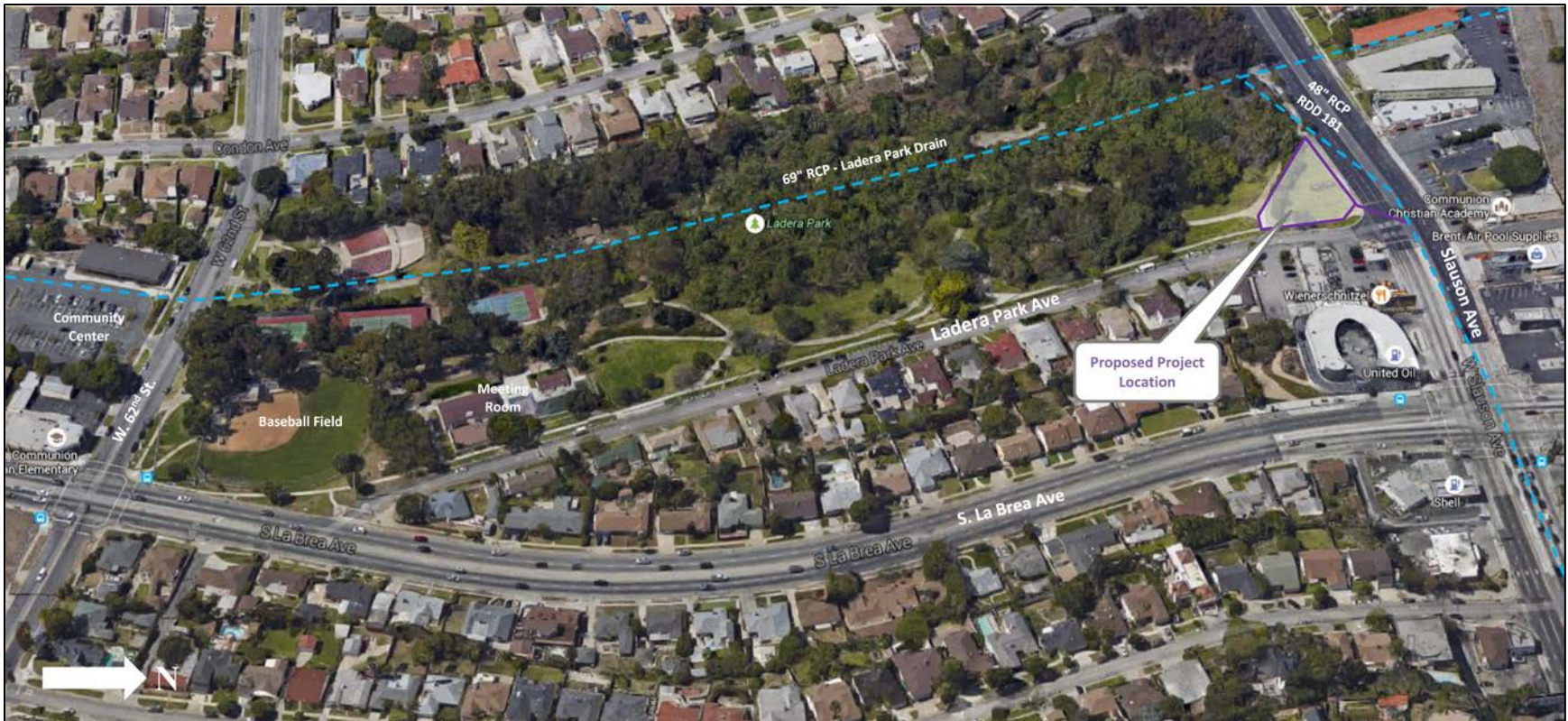


Figure 2-3. Proposed Project Aerial View

Elimination System (NPDES) Permit for Los Angeles County identified the 85th percentile 24-hour storm event as the design storm for all multi-benefit regional projects. The proposed Project would target all pollutants, but especially the pollutants with immediate compliance deadlines (as noted above). By diverting and treating urban runoff, TMDLs would be reduced, thereby improving water quality.

2.3 Project Objectives

The primary goals and objectives identified in the 2015 PEIR include:

- To collaborate among agencies (Permittee jurisdictions) across the watershed to promote more cost-effective and multi-beneficial water quality improvement projects to comply with the MS4 (Municipal Separate Storm Sewer System) Permit.
- To develop watershed-wide EWMPs that will, once implemented, remove or reduce pollutants from dry- and wet-weather urban runoff in a cost-effective manner.
- To reduce the impact of stormwater and non-stormwater on receiving water quality.

In accordance with these goals and objectives, the proposed Project, which would construct a centralized underground infiltration system BMP, would accomplish the following objectives:

- Improve water quality in Centinela Creek, Ballona Creek, and the Santa Monica Bay.
- Assist Los Angeles County in addressing its stormwater permit requirements, including the Ballona Creek Metals TMDL and the Ballona Creek Bacteria TMDL.
- Achieve water quality objectives for the Project drainage area.
- Provide a water supply benefit.
- Increase groundwater recharge.
- Provide recreational and aesthetic enhancements to increase public awareness of water quality and water conservation issues.

The centralized underground infiltration system BMP would reduce the amount of bacterial, toxic, and metal pollutants being discharged into Centinela Creek, a tributary of the Ballona Creek, by intercepting and infiltrating the 85th percentile 24-hour stormwater runoff volume of 5.1 acre-feet from the 110-acre watershed at Ladera Park (see Figure 2-2). The proposed Project would also include Low Impact Development (LID) type BMPs along Ladera Park Avenue (e.g., bioswales, bioretention units), which will also address the aforementioned pollutants. The improvement of water quality would also result in the preservation of habitat in Centinela Creek, Ballona Creek, and the Santa Monica Bay, and assist the County in addressing its stormwater permit requirements, including the Ballona Creek Metals TMDL and the Ballona Creek Bacteria TMDL. Modeling of the Ballona Creek Watershed was performed using the Watershed Management Modeling System (WMMS). The results of this analysis show that the proposed Project would result in a 72 percent reduction in bacterial exceedance days and would meet the water quality objectives for the wet weather Bacteria TMDL for all storm years.

Additionally, based on WMMS modeling results for an average annual rainfall year, the proposed Project tributary area is estimated to generate approximately 10.5 pound (lbs.) of zinc in the runoff. By capturing the 85th percentile 24-hour storm event, the proposed Project is expected to reduce the total zinc load by 88 percent and meet the water quality objective for zinc. The WMMS modeling analysis was based on 15 years of storm events from 1997 to 2012. Since zinc was

determined to be a limiting pollutant for the Ballona Creek Watershed (meaning the structural control measures designed to address zinc will also address other pollutants), it is expected that other pollutants, such as copper, lead, and toxics would also achieve water quality objectives. As such, the proposed Project would achieve several of the water quality objectives for the project drainage area.

The proposed Project would provide a water supply benefit by retaining runoff from non-stormwater sources and use it to irrigate the landscaping within Ladera Park, thereby reducing the need for potable water. The potential also exists to increase groundwater recharge of the West Coast Basin groundwater aquifer. The proposed Project is located above the confined aquifer of the West Coast Basin, and based on WMMS modeling results could provide up to 76 acre-feet of stormwater recharge per year on average, which is equivalent to water for 170 households.

The proposed Project would also provide recreational and aesthetic enhancements including constructing a watershed-themed educational demonstration garden with LID features and plants that are appropriate for the California climate over the proposed Project footprint.

2.4 Project Details

As discussed in Section 1.1 (Purpose of this Addendum), the 2015 PEIR identified potential BMPs for the Ballona Creek Watershed, which included Ladera Park (PEIR Appendix G, Figure A, ID Number 4). The proposed Project was identified as a priority project. The proposed Project includes construction of a centralized underground infiltration system, including a diversion structure, pretreatment system, and infiltration wells as shown in Figures 2-4 and 2-5. The proposed Project also includes a water supply component. Runoff from non-stormwater sources would be detained in a storage chamber and used for irrigation purposes at Ladera Park. Major storm flows would be directed into the infiltration wells to percolate into the ground. A flow chart detailing this procedure is provided in Figure 2-6. The proposed Project also includes LID BMPs along Ladera Park Avenue and a demonstration garden, as shown in Figure 2-8 (see Section 2.4.4).

2.4.1 Diversion and Pretreatment System

The proposed Project would divert the 85th percentile 24-hour stormwater runoff volume of 5.1 acre-feet, with a peak flow rate of 11 cubic feet per second (cfs), from RDD 181 (wet-weather flow). The preliminary design of the diversion system consists of a concrete diversion structure (berm or other design feature) located approximately 14.5 feet below grade in West Slauson Avenue to redirect flow from the RDD 181 invert toward the proposed infiltration system (see Figures 2-4 and 2-5).

A manhole would be installed in one of the eastbound traffic lanes of West Slauson Avenue (public right-of-way) to provide access to the storm drain diversion structure and flow measuring equipment for maintenance purposes. Bypass flow would be sent to a water quality monitoring cabinet (i.e., control box). This aboveground monitoring cabinet (approximate dimensions of 2 feet x 4 feet x 3 feet tall) would be placed within the street right-of-way on the west side along Ladera Park Ave.

The diversion structure would consist of a weir inside a reinforced concrete box (RCB). The RCB internal dimensions are estimated to be approximately 4 feet wide x 4 feet high, x 5 feet long, and approximately 10 inches thick (to be confirmed during final design) with an 8-inch weir. The RCB diversion structure would be placed at a depth of approximately 16 feet. The flow measuring equipment would not affect the size of the diversion structure.

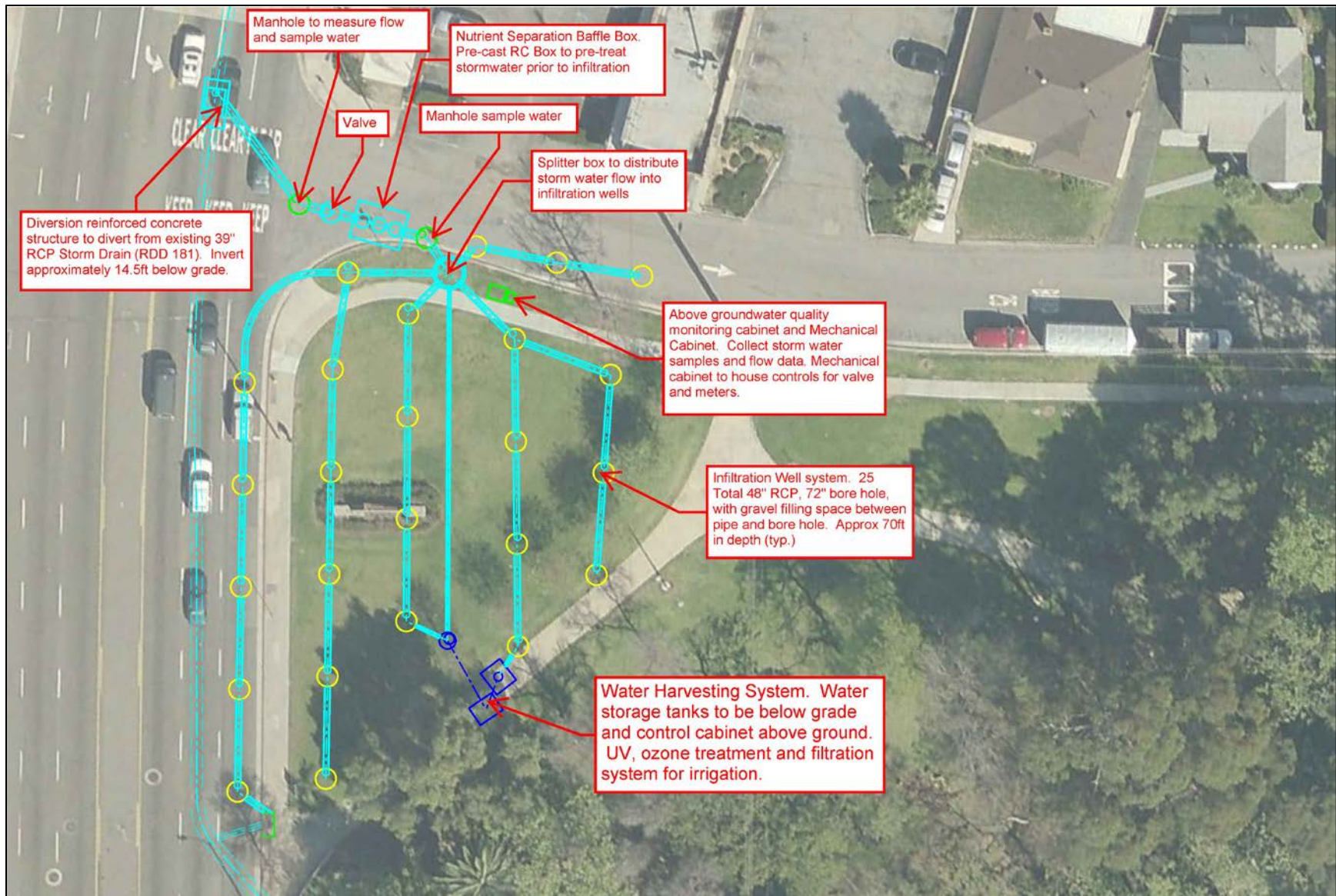


Figure 2-4. Proposed Project Site Layout

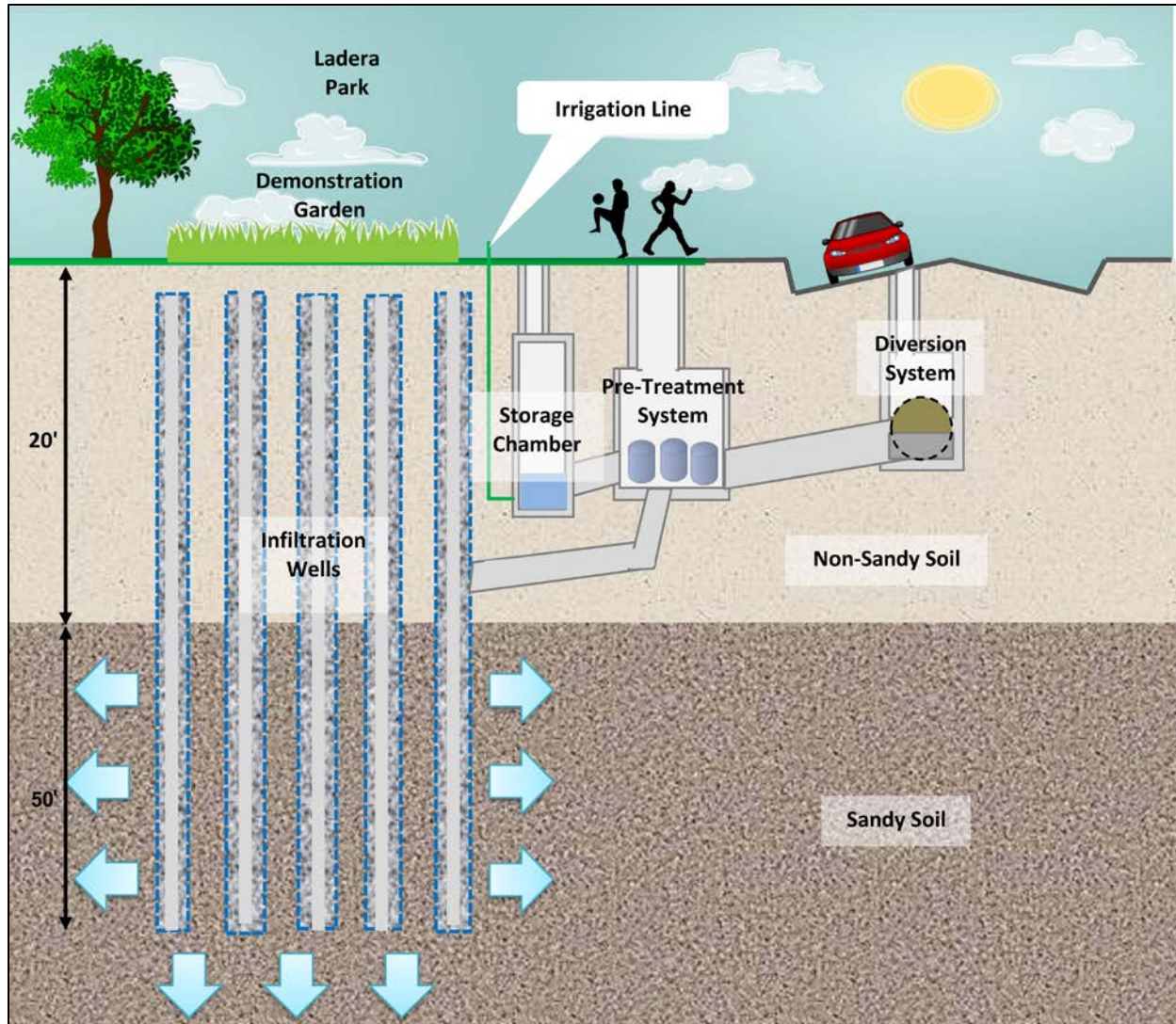


Figure 2-5. Proposed Project Schematic

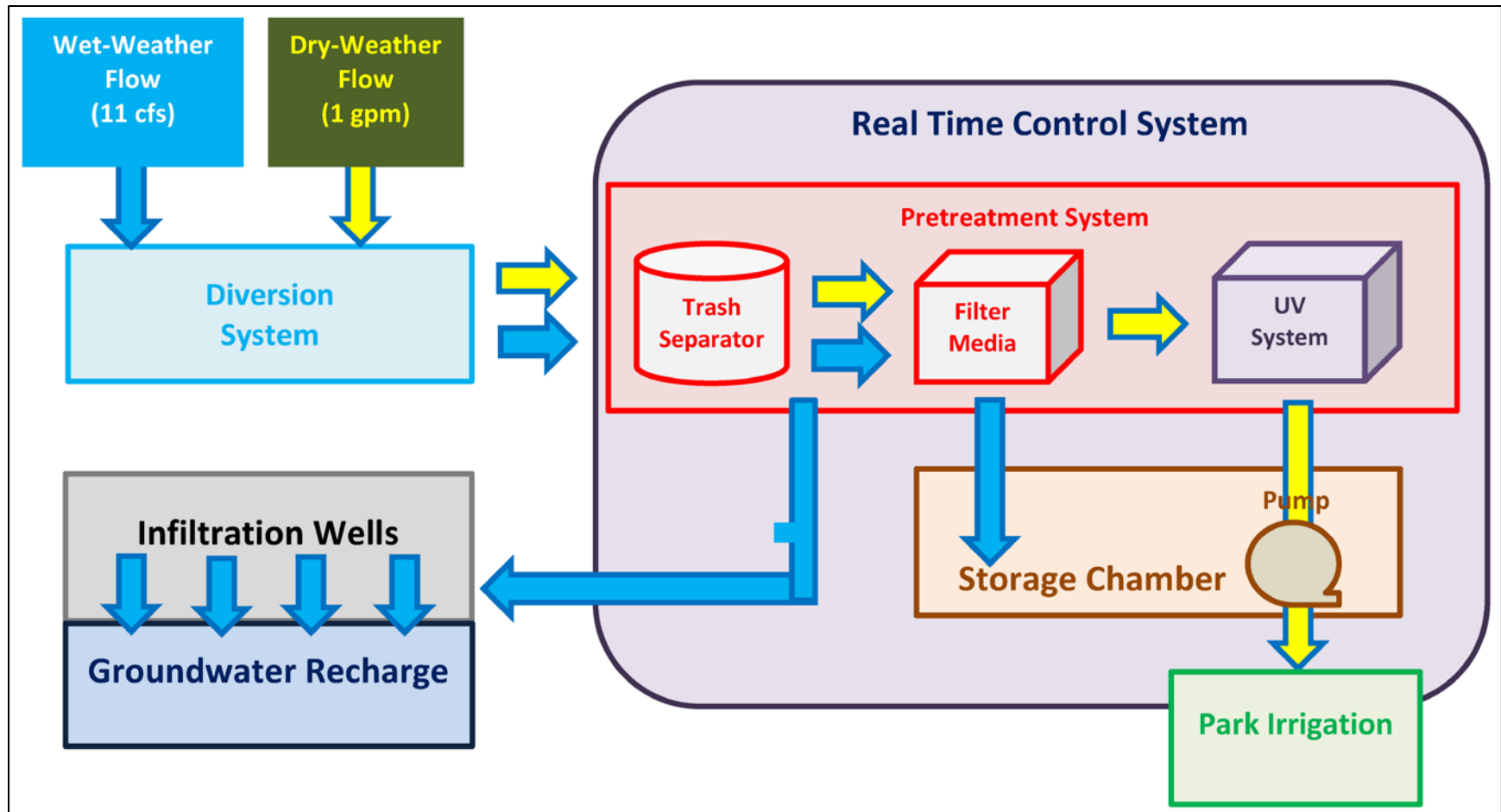


Figure 2-6. Project Flow Chart

The structures would be either cast-in-place or pre-cast, and installed using excavation equipment to dig down to proposed grade. The structures would require shoring, haul away of excavated material, import of bedding and backfill material, and other appurtenant work. The diversion structure would also involve the removal of interfering portions of the existing storm drain and temporary diversion of dry weather flows.

The diverted flow would initially be sent via a 24-inch RCP (requires 6-foot wide, 15-foot deep trench to install) to the pretreatment system to ensure the long-term effectiveness of the infiltration wells and minimize maintenance activities, as pretreatment prevents infiltration wells from clogging prematurely. The pretreatment system would include a Nutrient Separating Baffle Box (NSBB) (as identified on Figure 2-4) composed of pre-cast reinforced concrete box with trash separation devices or a continuous deflective separation (CDS) hydrodynamic separator to remove trash, debris, and sediment. The pretreatment system would be placed approximately 20 feet underground on Ladera Park Avenue, south of West Slauson Avenue. From there, water would flow to a splitter box to distribute stormwater flow into the infiltration wells (see Section 2.4.3) or to the water harvesting system (see Section 2.4.2). Stormwater runoff in excess of the 11 cfs would bypass the diversion structure and continue downstream along RDD 181.

2.4.2 Water Harvesting System

Storm and non-stormwater flows (dry-weather flow, greywater) would be diverted and pre-treated, as discussed above (Section 2.4.1), and then temporarily stored for later use as irrigation water. Based on monitoring data from the Ballona Creek Watershed Low Flow Reconnaissance Report (DPW, 2015 – Monitoring Location FR-07), on average approximately one gallon per minute (1 gpm) of non-stormwater runoff drains to RDD 181 (measured existing low-flow). Non-stormwater flows would be diverted via a splitter box (distribute flows to the infiltration wells described in Section 2.4.3 and the water harvesting system). The water harvesting system would include a 1,700-gallon underground storage chamber (estimated to be 10 feet wide x 20 feet long x 15 feet high and composed of one or two tanks), requiring approximately 115 cubic yards (CY) of excavation. The storage chamber would be placed within the first 20 feet below the ground surface in the zone where soil is not suitable for infiltration (i.e., non-sandy soil), above the infiltration wells (described below) as shown in Figures 2-4 and 2-5. A separate mechanical cabinet (approximate dimensions 2 feet x 3 feet x 3 feet tall) would also be placed near the water harvesting system.

Harvested water (stormwater) would undergo treatment utilizing ultraviolet (UV) light, ozone, and media filters. An aboveground control cabinet (approximately 4.5-feet wide by 5-feet tall) would house the treatment and filtration system, as shown in Figure 2-7. It is anticipated to be installed in the northwest corner of the Project site, west of the existing sidewalk (see Figure 2-4).

The treatment system would produce effluent that would comply with the *County of Los Angeles Department of Public Health's Guidelines for Alternate Water Sources: Indoor and Outdoor Non-*

Potable Uses. Collected stormwater would be used to irrigate up to 10,000 square feet within Ladera Park. This system would essentially reduce the need to supply the Park irrigation system with potable water. A potable water source would serve as a backup water source if dry weather flow changes. The demonstration garden and landscape area would not need constant irrigation since it would have drought-tolerant plants; however, an irrigation system with a backup potable water source may be needed to establish the plants for the first few years. Annual estimated total water use would be 149,000 gallons compared to the approximately 300,000 gallons being used to irrigate existing turf annually.

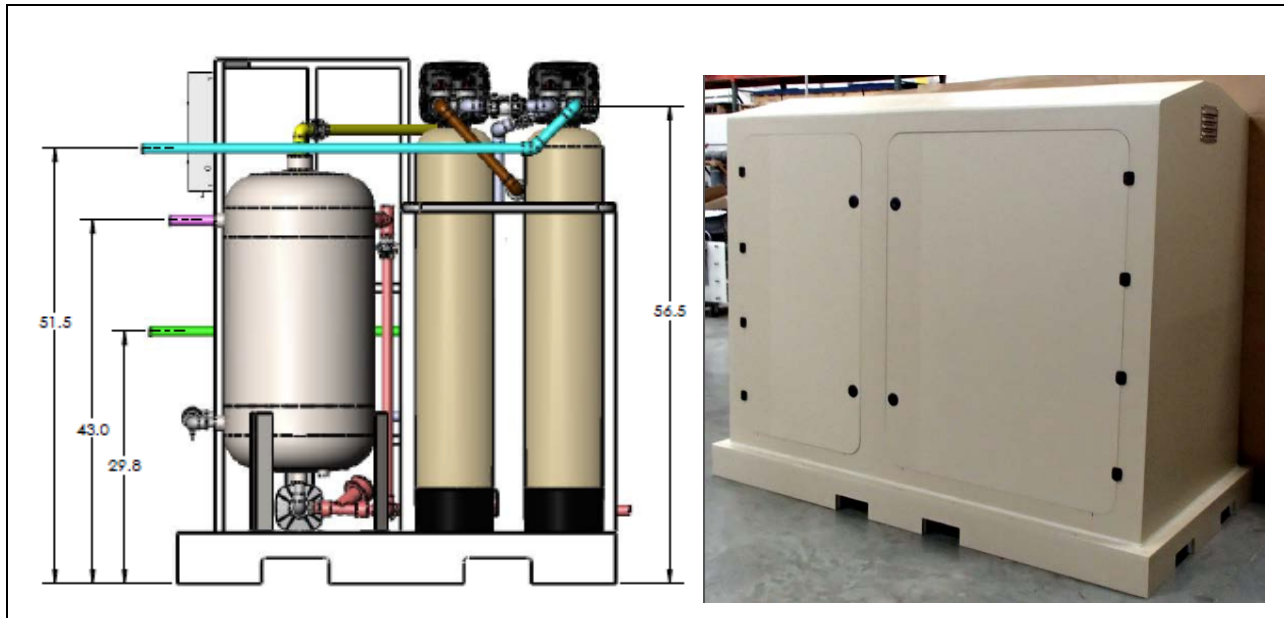


Figure 2-7. Small Stormwater Processing Skid and Cabinet

2.4.3 Infiltration Well System

During major rainfall (storm) events, diverted stormwater flows would be pre-treated (see pretreatment description above in Section 2.4.1) and sent to the proposed infiltration well system (see Figures 2-5 and 2-6). Per GMED's Infiltration Study (Kleinfelder, 2016), suitable soil for infiltration, comprised of mostly sand, lies at a depth of 20 feet to 100 feet below Ladera Park. Soil above this would not be appropriate for infiltration due to the high content of fine material. Based on the subsurface exploration performed, native soils are located in the Project area (i.e., no presence of fill soils was detected).

The infiltration well system as currently designed would consist of an estimated 25 infiltration wells, with 17 located within Ladera Park, 5 along West Slauson Avenue, and 3 along Ladera Park Avenue. The exact configuration may change pending final engineering. Each well would require an approximately 6-foot diameter hole to accommodate a 4-foot diameter perforated pipe with coarse gravel filling the space between the pipe and hole, and would extend to depths of 70 to 100 feet. A bucket auger and crane, both mounted on a truck, would be utilized to drill the infiltration well holes. Approximately 600 cubic yards of coarse gravel would be required. These wells would be connected by approximately 18-inch reinforced concrete pipe, requiring trenches approximately 4-feet wide by 15-feet deep to install.

The infiltration wells would be spaced a minimum of approximately 30 feet apart, measured from well center to well center to minimize interference between wells. The infiltration well manholes would either be at grade, capped, locked, and covered (paved over or buried under approximately 6 inches of soil).

It is anticipated that five (5) existing trees within the northwest portion of Ladera Park would need to be removed to accommodate construction of the infiltration wells, requiring approximately 10 cubic yards of excavation at depths of approximately 2 feet. These trees would be replaced at a 1:1 ratio with native trees. The existing Park sign would also be located to the corner of the site. Existing irrigation lines and sidewalks would also be replaced within the limits of the work area; replaced sidewalks would meet Americans with Disabilities Act (ADA) requirements. Two small pumps (3-4 gpm each) would be installed underground to facilitate irrigation.

A two-way telemetry system would be incorporated to remotely control the diversion and infiltration operations. The control system could be operated based on data such as weather forecasts, pressure transducers, soil moisture conditions, and stored volume to maximize the efficiency and effectiveness of the system by integrating management and operation of the water supply and infiltration system with forecast information. The system would optimize performance, reduce risk, and provide certainty of performance and quantify progress. For example, the two-way telemetry system would monitor water levels in the ground and water harvesting system. A user could interpret these results and control the flow coming into the system. The system would also be able to determine if the infiltration wells require maintenance or are not performing optimally due to clogging and low infiltration rates.

2.4.4 Demonstration Garden and Other Improvements

A watershed-themed educational demonstration garden with LID features and plants that are appropriate for the California climate would be incorporated to educate the public about drought tolerant and native landscaping and reducing potable water needs. The demonstration garden would incorporate bio-swales, open shade structure, walking paths, and seating for the public, as shown in Figure 2-8. Educational and interpretive signs pointing out the various LID features would also be incorporated into the garden to increase public awareness of water quality and water conservation. The existing Park sign would be replaced with a new Park sign. The new irrigation system would feature an automatic controller system with a rain or moisture sensing device. The demonstration garden would be located immediately above the infiltration wells within the northeast corner of Ladera Park, as shown in Figure 2-8.

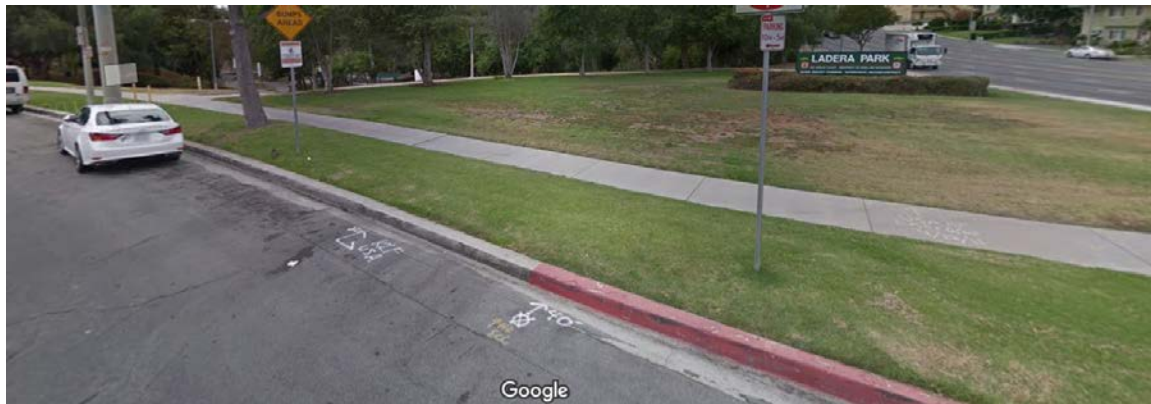
Consistent with the PEIR (see PEIR Table 2-2, Typical Structural Best Management Practices), other improvements such as green street features (LID BMPs) would be included as part of the proposed Project to treat additional runoff and enhance the neighborhood. For example, the sidewalks along the west side of Ladera Park Avenue adjacent to the Park between the northeast corner (infiltration well area) and extending south approximately 75 feet (see Figure 2-9) would be improved. Improvements would include LID BMPs, such as bioswales (i.e., depressed swale area with amended topsoil, underdrain, and vegetation designed to attenuate, treat, and convey stormwater runoff; generally linear in shape) or bioretention units (i.e., Depressions designed to collect and absorb stormwater runoff from adjacent paved surfaces, such as streets and sidewalks. These units involved engineered stormwater capture and treatment with appropriate permeability used to remove silt and pollution from surface water runoff; plants on surface serve as filter device to capture debris and pollutants.). This solution provides a high rate of removal for metals and oil/grease, which are especially prevalent near automobiles and would be highly effective in reducing dry-weather flows. Curb cuts with local depression would be installed at the beginning (Slauson Ave.) and end (Ladera Park Ave.) along the parkway within the segment of bioswale to direct flows into the BMPs along the parkway. To provide maximum water quality and supply benefit, excess stormwater flows would be captured via the curb cut on Slauson Avenue and captured in the proposed rock swales (see Figure 2-7), which would also retain on-site runoff.



Figure 2-8. Demonstration Garden Landscape Plan



Proposed Location of Infiltration Basin (Northeast Corner of Ladera Park)



Potential Location of Possible Green Street Features along Ladera Park Avenue

Figure 2-9. Ladera Park Photos

2.4.5 Construction

Schedule

If approved, the proposed Project is anticipated to be constructed during a 6-month period, beginning in early 2019 (tentatively January 2019). Construction would occur Monday through Friday from 7:00 a.m. to 4:30 p.m. (one shift per day). In order to avoid peak traffic along West Slauson Avenue, construction of the diversion structure and manholes would likely be scheduled between 9:00 a.m. and 3:00 p.m. No construction is expected on weekends or holidays. No daytime lighting would be required during construction, including at the staging area(s). This construction schedule may differ from the selected contractor's schedule depending on the contractor's equipment and personnel resources. A preliminary schedule is provided in Appendix B, Table B-1.

Access, Parking, and Staging Areas

Access to the Project site and proposed staging area is anticipated to occur off West Slauson Avenue and Ladera Park Avenue, as well as the internal roads of Ladera Park. Parking for construction personnel would occur generally along Ladera Park Avenue, adjacent to the project site. Ladera Park Avenue would be partially closed during the day, limiting access to only Project construction vehicles and residents. Construction equipment and vehicles would also park along Slauson Avenue during construction activities located on Slauson Avenue. Roads and parking areas within the Park may also be utilized to provide alternate access to the Project site, as necessary to facilitate construction activities, but would be limited to the extent feasible. The County and its contractors will adhere to a minimum 17-foot clearance of the existing SCE transmission lines for all construction activities, as required by SCE (CalOSHA Title 8 requires a minimum of 17 feet from 220-kV conductor depending on boom type lifting). Work limits would be delineated on all final design drawings and specifications, and delineated in the field to ensure equipment does not enter this exclusion zone.

The proposed construction staging area includes the northern end (0.6 acres) of an overflow dirt parking lot across from the Yvonne B. Burke Sports Complex Baseball Fields at the Kenneth Hahn State Recreation Area, located on the east side of South Fairfax Avenue, north of West Slauson Avenue (owned by DPR), as shown in Figures 2-1 and 2-10. This staging area would be fenced off and utilized Monday through Friday 7:00 a.m. to 4:30 p.m. (no weekend use to avoid conflicts with youth sports programs on weekends) as agreed to with the DPR. Final staging area(s) would be determined by the construction contractor. Additionally, the entire northeast corner of the Park (Project site) would be fenced off and used for partial staging, although the majority of equipment and materials would be located at one or both of the designated staging areas described above.

Traffic control plans will be prepared during final design. The County plans to hold community meetings to discuss the impacts of lane closures and traffic detours with the nearby residents and businesses. The County will also coordinate with DPR and Traffic and Lighting Division to minimize traffic impacts on Park operations and the neighboring community. K-rails, traffic cones, and steel plates would be utilized for safety and to maintain access, where possible.



Figure 2-10. Staging Area across from Yvonne B. Burke Sports Complex Baseball Fields

2.4.6 Workforce, Equipment, and Materials

Anticipated construction equipment required to build the proposed Project include the following:

- Well Installation: drill rig and crane (truck mounted), backhoe, excavator, dump trucks (super-10s or end dumps); and
- Excavation: pickup trucks, street sweeper, asphalt roller and paver for restoring the street trench after installing pipes/wells.

A detailed list of equipment and personnel required to construct the proposed Project, as well as the materials that would be imported and exported from the site, are provided in Appendix B. The anticipated peak workforce would be approximately 15 to 20 personnel including construction workers, management, and monitoring staff.

Standard erosion control BMPs (e.g., silt fence, straw wattles) would be applied during construction as required by the existing (2012) MS4 Permit. Additionally, a Spill Prevention Countermeasure and Control Plan, which is a standard BMP, would be included in the construction contract as a special provision.

2.4.7 Operations and Maintenance

Monitoring of the Project after construction would occur utilizing the real-time control system to determine if the 85th percentile, 24-hour storm event is being retained. If the wells cannot infiltrate the water at the expected rate, some untreated water would bypass and end up in the receiving system (i.e., Centinela Creek).

Maintenance of the pre-treatment system would be dependent on how often it rains and how much trash and sediment accumulates. Given that the existing watershed is mostly developed and little sediment is anticipated, it is expected that two men operating a vacuum truck would visit the site a few times (3 to 5) during the storm season to clean out the system. Although the water-harvesting system has self-cleaning filters (e.g., disk, media, and activated carbon), it would be periodically inspected and clean, as necessary. The ozone unit and activated carbon filter would be replaced every 3 to 5 years and UV bulbs every 10,000 hours. Los Angeles County Watershed Management Division staff would also visit the site four times per year to collect water samples and data.

With proper maintenance and operation of the pre-treatment facilities, maintenance of the infiltration wells is expected to be minimal. Visual observations for blockages or collapse of the well walls would be performed annually, but it is expected that the infiltration wells would not need any maintenance for the life of the Project (30 years). Should the infiltration wells need maintenance; a water jet can dislodge the clogged perforations and the residue pumped out and disposed of in the sanitary sewer. No stationary diesel engines would be required to support operations and maintenance activities.

As noted above, the demonstration garden would not need constant irrigation since it would have drought-tolerant plants; however, an irrigation system with a backup potable water source may be needed to establish the plants for the first few years. Approximately 1 gpm of potable water would be needed to establish the plants, which is the measured existing low-flow to RDD 181. This water would be captured, stored, treated, and pumped (3-4 gpm pump) to supply the water for irrigation. Annual estimated total water use would be 149,000 gallons compared to the approximately 300,000 gallons being used to irrigate existing turf annually.

2.5 Anticipated Permits and Other Approvals

The infiltration wells need to be registered with the U.S. Environmental Protection Agency (USEPA). The infiltration wells may also require a permit from the LARWQCB, which can prescribe requirements for discharges into California waters, including groundwater. The infiltration wells would be subject to the LARWQCB's water quality control plans and must take into consideration the beneficial uses of the affected water.

The proposed water supply system is considered an alternate non-potable water supply source. Distribution of rainfall or non-potable runoff needs to be evaluated and approved by the State Department of Public Health and the LARWQCB.

In addition, since the infiltration wells may affect the water supply aquifer, it is important to inform and collaborate with the local water master, the California Department of Water Resources.

DPR owns both parcels of land within Ladera Park and the proposed staging area across from Yvonne B. Burke Sports Complex Baseball Fields. No right-of-way permits are anticipated. DPR has agreed to allow use of the north end of the parking lot as a staging area, and requested that work be conducted on the weekdays (not weekends), with the operating hours limited to 7:00 a.m. to 4:30 p.m., Monday through Friday (DPR, 2017).

SCE has an easement for transmission lines in the northern end of Ladera Park. The County has coordinated with SCE (per PMM UTIL-1) and agreed to maintain a 17-foot clearance of the existing transmission lines (CalOSHA Title 8 requires a minimum of 17 feet from 220-kV conductor depending on boom type lifting).

The Project area is less than one acre; therefore, a Stormwater Pollution Prevention Plan (SWPPP) is not required under the National Pollutant Discharge Elimination System (NPDES) Permit Project. Additionally, the proposed Project is not expected to require any permits from the Army Corps of Engineers or the California Department of Fish and Wildlife.

3. Evaluation of Environmental Impacts

The following evaluation assesses the project-specific impacts of the proposed Project in light of the analysis completed in the 2015 PEIR. Determinations are made as to whether the proposed Project would result in new significant effects or substantially more severe effects, which would trigger the need for a Subsequent or Supplemental EIR.

I. AESTHETICS

Would the project:	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The proposed Project would be located at the northeast corner of Ladera Park, which is a 15.84-acre County property within the unincorporated community of Windsor Hills. The Park is surrounded by urban development, with residential uses to the east, west, and south, and commercial uses to the north.

- a. The proposed Project would be located in a highly urbanized area that is not in the vicinity of undeveloped hillsides, ridgelines, or other scenic vistas. However, the Project site itself (i.e., Ladera Park) serves as a scenic open space for the surrounding community. Construction of the proposed Project would require temporary ground disturbance within Ladera Park and on the surrounding sidewalks and streets. As discussed in the PEIR, the presence of construction equipment and materials during construction would temporarily introduce contrasting elements into scenic views of Ladera Park from adjacent residences (DPW, 2015). However, impacts to this scenic open space would be short-term. Further, the proposed Project would incorporate permanent recreational and aesthetic enhancements to the Park, including a demonstration garden (see Figure 2-7). Given the temporary nature of construction impacts, and the long-term aesthetic improvements to the Project site, impacts from the proposed Project would be less than significant.

The PEIR concluded that effects on scenic vistas from individual projects could be potentially significant if inappropriately designed or located, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant (without mitigation); therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The Project site is not located in the vicinity of any designated or eligible scenic highways or historic parkways (DPW, 2015). No impacts to scenic highways would occur from the proposed Project.

The PEIR concluded that effects on designated or eligible scenic highways or historic parkways from individual projects could be potentially significant if inappropriately designed or located, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. As discussed in Section I(a) above, the proposed Project would be located within a County park that serves as a scenic resource to the surrounding community. Construction activities, such as the drilling of infiltration wells, would temporarily affect the visual character of Ladera Park. However, upon completion of the underground stormwater capture system, a demonstration garden and other long-term aesthetic improvements would be constructed at the Project site. Furthermore, the aesthetic impacts from Project construction would be short-term, and the Project would improve the visual character of the site; therefore, impacts from the proposed Project would be less than significant. Additionally, to further reduce any aesthetic impacts, aboveground components would be designed consistent with local zoning codes and applicable design guidelines per PMM AES-1, and a maintenance plan would be implemented to ensure the functionality of Project components (see text below).

PMM AES-1: Aboveground structures shall be designed to be consistent with local zoning codes and applicable design guidelines and to minimize features that contrast with neighboring development.

PMM AES-2: Implementing agencies shall develop BMP maintenance plans that are approved concurrently with each structural BMP approval. The maintenance plans must include measures to ensure functionality of the structural BMPs for the life of the BMP. These plans may include general maintenance guidelines that apply to a number of smaller distributed BMPs.

The PEIR concluded that effects on visual character from individual projects could be potentially significant if inappropriately designed, located, or maintained, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. Construction of the proposed Project would occur during the daytime hours between 7:00 a.m. and 4:30 p.m. No daytime lighting would be required during construction, and the proposed Project would not install temporary or permanent outdoor lighting. As such, the proposed Project would not create a new source of substantial light or glare that could adversely affect residents or other sensitive receptors, and no impact would occur.

The PEIR concluded that light and glare effects from individual projects would be less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

II. AGRICULTURE AND FORESTRY RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the State's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. **Would the project:**

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Involve other changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The California Department of Conservation (DOC) established a soil classification system that combines technical soil ratings and current land use to identify categories of Important Farmland. Currently, 98 percent of the State's private lands have been surveyed by the DOC to determine the status of agricultural resources (DOC, 2017a). The DOC also regulates the Land Conservation Act, which enables local governments (counties and cities) to enter into contracts (e.g. Williamson Act contracts) with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space use. In return, landowners receive property tax assessments that are much lower than normal because they are based upon farming and open space uses as opposed to full market value (DOC, 2017b). As discussed under (a) and (b) below, no Important Farmland or Williamson Act contracts are located in the vicinity of the Project site or proposed staging areas.

- a. According to the DOC Farmland Mapping and Monitoring Program (FMMP), the Project site and surrounding area is designated as Other Land, which is land not included in any of the Farmland mapping categories (DOC, 2017c). The Project site and proposed staging areas are not located within the vicinity of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. No designated Farmland would be converted by the proposed Project, and no impact would occur.

The PEIR concluded that the structural BMPs would not convert any Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses because the BMPs would be located primarily in high-density urban, commercial, industrial, and transportation areas. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** Per the DOC Williamson Act Program, the Project site and proposed staging areas are not on land enrolled in a Williamson Act contract (DOC, 2016). Further, the Project site includes land that is zoned R-4 (Medium Density Multiple Residence) and C-2 (Neighborhood Business); no agricultural zoning would be affected by the proposed Project components (DRP, 2017 and 2016). Neither Project construction nor operation would conflict with a Williamson Act contract or with zoning for agricultural use, and no impact would occur.

The PEIR concluded that the structural BMPs would not conflict with existing land zoned for agricultural use as the structural BMPs would be constructed on urbanized land, primarily streets, sidewalks, and in parks or other city-owned lands. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c.** The proposed Project involves construction of an underground stormwater capture system that would be primarily limited to a corner of an existing County park, with infiltration wells extending into Ladera Park Avenue and West Slauson Avenue. The Project site and proposed staging areas are not located on land that is zoned for forest land or timberland, and neither construction nor operation of the proposed Project would conflict with existing zoning at the site; no impact would occur.

The PEIR concluded that the structural BMPs would not conflict with existing land zoned for, or cause rezoning of, forest land, timberland, or timberland zoned Timberland Production as there is no land within the EWMP groups zoned as forest land or timberland. The structural BMPs would be constructed on urbanized land, primarily streets, sidewalks, and in parks or other city-owned lands. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d.** As described in Section II(c) above, the Project site and proposed staging areas are not located on forest land. None of the proposed Project components would contribute to the loss of forest land, nor would proposed Project activities convert forest land to non-forest use; no impact would occur.

The PEIR concluded that the structural BMPs would not result in the loss of forest land or conversion of forest land to non-forest land agricultural use as there is no land within the EWMP groups zoned as forest land or timberland. The structural BMPs would be constructed on urbanized land, primarily streets, sidewalks, and in parks or other city-owned lands. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e.** As described in Sections II(a) and (c) above, the Project site and proposed staging areas would not convert any agricultural land to non-agricultural use, nor convert any forest land to non-forest use; no impact would occur.

As noted above, the PEIR concluded that the structural BMPs would not convert any farmland to non-agricultural uses because the BMPs would be located primarily in high-density urban,

commercial, industrial, and transportation areas. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

III. AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The proposed Project site is in Windsor Hills, an unincorporated community in Los Angeles County, within the South Coast Air Basin (SCAB) under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). Emissions from the construction and operation of the proposed Project would affect air quality in the immediate Project area and the surrounding region.

The Project area has a climate that is characterized by warm, dry summers and cool winters with a moderate amount of seasonal precipitation that occurs primarily during the winter months. The Project site is close enough to the coast to have temperatures that are normally moderated by the nearby Pacific Ocean. The average summer (June to September) high and low temperatures in adjacent Inglewood range from 77°F to 60°F. Average winter (December to March) high and low temperatures range from 66°F to 48°F. The average annual precipitation is approximately 13 inches with over 85 percent of the precipitation occurring between November and March (Intellicast, 2017).

The U.S. Environmental Protection Agency (USEPA), California Air Resources Board (ARB), and the local air districts classify an area as attainment, unclassified, or nonattainment depending on whether the monitored ambient air quality data shows compliance, insufficient data available, or non-compliance with the National and California Ambient Air Quality Standards (NAAQS and CAAQS). The SCAB is currently designated as nonattainment of the State and federal ozone (O3) and fine particulate matter (PM2.5) standards, the federal standard for Lead, and the State respirable particulate matter (PM10) standard. The SCAB is designated as attainment or unclassified for all other State and federal standards (USEPA, 2017; CARB, 2017a).

Regulatory Setting

Air quality is regulated through regulations at the federal (USEPA), State (CARB), and local level (SCAQMD). The SCAQMD is primarily responsible for planning, implementing, and enforcing federal and State ambient air quality standards within this portion of the SCAB. As part of its planning responsibilities, SCAQMD prepares Air Quality Management Plans and Attainment Plans as necessary based on the attainment status of the air basins within its jurisdiction. The SCAQMD is also responsible for permitting and controlling stationary source criteria and air toxic

pollutants as delegated by the USEPA. The Project, as primarily a construction project with no regulated stationary emission sources, is not directly subject to many regulations, but the CARB and SCAQMD rules that would apply to the proposed Project are:

CARB Statewide Portable Equipment Registration Program (PERP) Regulation (CARB, 2017b)

- This regulation applies to any portable stationary equipment, such as generators, that may be used during construction. The PERP establishes a uniform program to regulate portable engines and portable engine-driven equipment units. Once registered in the PERP, engines and equipment units may operate throughout California without the need to obtain individual permits from local air districts, as long as the equipment is located at a single location for no more than 12 months.

SCAQMD Rules and Regulations (SCAQMD, 2017a)

- **Regulation 2 – Permits.** This regulation would apply to any portable stationary equipment not permitted under the PERP program and would require obtaining permits to construct and operate.
 - **Rule 401 – Visible Emissions.** This rule prohibits discharge of air contaminants or other materials that are as dark or darker in shade as designated No. 1 on the Ringelmann Chart, or at an equivalent opacity, for a period or periods greater than three minutes in one hour.
 - **Rule 402 – Nuisance.** This rule prohibits discharge of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any such persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property.
 - **Rule 403 – Fugitive Dust.** The purpose of this rule is to control the amount of particulate matter entrained in the atmosphere from man-made sources of fugitive dust. The rule prohibits emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area to be visible beyond the emission source's property line. During Project construction, best available control measures identified in the rule (Table 1 of this rule) would be required to minimize fugitive dust emissions from proposed earth moving activities.
- a. SCAQMD and Southern California Association of Governments (SCAG) have developed air quality management plans (AQMPs) to meet the requirements of the Federal Clean Air Act (SCAQMD, 2017b). The focus of the 2003 AQMP was to demonstrate attainment of the federal particulate matter (PM₁₀) standard by 2006 and the federal 1-hour O₃ standard by 2010, while making expeditious progress toward attainment of State standards. The 2003 AQMP also includes a nitrogen dioxide (NO₂) maintenance plan. The 2007 AQMP was developed for the purposes of demonstrating compliance with the new National Ambient Air Quality Standards (NAAQS) for PM_{2.5}, the NAAQS for PM₁₀, the 8-hour O₃ NAAQS, the 1-hour O₃ NAAQS, and other air quality planning requirements. The 1-hour O₃ standard was revoked by the USEPA, but the SCAQMD is still tracking progress towards attainment of this standard. The SCAQMD Governing Board adopted the Final 2007 AQMP on June 1, 2007 (SCAQMD, 2007). The AQMD Governing Board approved the 2012 AQMP on December 7, 2012 (SCAQMD, 2012). This plan addresses the 1-hour and 8-hour Ozone Plan inadequacies identified by the USEPA and provides a 24-hour PM_{2.5} plan. SCAQMD has completed and

approved the 2016 AQMP (SCAQMD, 2017b), which has also been approved by CARB; however, that plan has not yet been approved by USEPA.

There are no applicable emissions reduction measures in these plans, that are not already part of approved regulations, since the proposed Project includes no major stationary emission sources. The proposed Project would comply with all applicable SCAQMD rules and regulations. Additionally, the proposed Project would not cause new growth; and would normally have very limited ongoing operations and maintenance activities. Therefore, the proposed Project would not conflict with or obstruct the applicable air quality plans.

The PEIR concluded that the structural BMPs are not land use projects and their implementation would not induce any additional growth within the EWMP areas in the County. As such, the proposed program would not conflict with, or obstruct, implementation of the AQMP and impacts would be less than significant. The proposed Project's impacts have been determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project's construction and operation air pollutant emissions are well below the magnitude needed to cause an air quality standard violation or contribute substantially to an existing or projected air quality standard violation. Therefore, the proposed Project would not significantly impact ambient air quality. Also, please see the regional and localized criteria pollutant emissions analyses provided below under Section III (c) and (d).

The PEIR concluded that the structural BMPs would need to be reviewed on a case-by-case basis, and where necessary the recommended mitigation measures would need to be implemented to reduce potentially significant impacts to a less-than-significant level. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. Pollutant emission calculations related to the proposed Project construction activities includes the emissions from on-road vehicles and off-road equipment utilized during construction, and fugitive particulate matter emissions resulting from earthmoving activities and vehicle travel. Operation emissions are limited to intermittent cleanup of the NSBB with a vacuum truck (3 to 5 times each storm season); and intermittent upkeep of the drought tolerant garden, which would be more than offset by the upkeep for the turf currently at the site. There would be no on-site employees and no regularly occurring major maintenance events. As such, the increase in operation and maintenance emissions are negligible.

The proposed Project's construction would be completed using one shift per day on weekdays over a 6-month period. The Los Angeles County Public Works (County) provided an estimate of the construction off-road equipment types that would be used, the amount of materials that would be hauled to and from the site, and the estimated number of construction employees for each work task (See Appendix B, Tables B-2 through B-4). The construction tasks would be phased with several similar tasks overlapping, but there would be a specific daily maximum number of construction spreads/equipment use, with the maximum daily number off-road equipment items, haul trips, and construction workers for this Project as follows:

- Truck Mounted Bucked Augers - 2
- Backhoe - 1
- Excavator - 1

- Air Compressor - 1
- Generator - 1
- Vibratory Plate Compactor - 1

The SCAQMD regional emissions significance thresholds for construction are as follows (SCAQMD, 2015):

- Nitrogen Oxides (NOx) – 100 lbs/day
- Volatile Organic Compounds (VOC) – 75 lbs/day
- Carbon Monoxide (CO) – 550 lbs/day
- Particulate Matter (PM10) – 150 lbs/day
- Fine Particulate Matter (PM2.5) – 55 lbs/day
- Sulfur Oxides (SOx) – 150 lbs/day

Given the significant reductions in fleet average emissions factors for both off-road equipment and on-road vehicles that have occurred due to ongoing USEPA and CARB diesel and gasoline engine and fuel standard regulations, it takes an increasingly large amount of daily work, in terms of horsepower hours per day and/or vehicle miles traveled, to exceed these significance thresholds. Specifically, USEPA/CARB off-road equipment engine tier standards (Tier 1 through 4) have over time reduced NOx and PM emissions from off-road diesel engines by up to 90 percent in comparison to pre-regulation engines (Tier 0), and USEPA/CARB on-road vehicle engine standards have substantially reduced NOx and PM emissions from diesel on-road engines and NOx, VOC, and CO emissions from gasoline on-road engines. Fleet average for off-road equipment is a mix of equipment from Tier 0 through Tier 4, with the fleet average emissions during Project construction corresponding to near Tier 3 levels. Additionally, diesel and gasoline fuel standards enacted over the past 25 years have substantially reduced SOx emissions from diesel engines, and VOC emissions from gasoline engines.

An emissions estimate of the worst-case daily activity using fleet average emissions factors is provided in Table 3-1.

	VOC	CO	NOx	SOx	PM10	PM2.5
On-Road Vehicle Emissions	0.64	1.79	10.75	0.03	0.06	0.05
Off-Road Equipment Emissions	10.48	41.70	28.48	0.06	1.40	1.29
Fugitive Dust Emissions	--	--	--	--	5.87	1.37
Total Maximum Daily Emissions (lbs/day)	11.13	43.49	39.23	0.09	7.33	2.72
SCAQMD Regional Significance Thresholds (lbs/day)	75	550	100	150	150	55
<i>Exceeds Thresholds?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Source: Appendix E; SCAQMD, 2015.

Assuming fleet average equipment and vehicles emissions factors, and given the maximum daily work requirements necessary to complete this project within 6 months, the daily

construction emissions are determined to be well below the SCAQMD regional emissions thresholds and would cause less-than-significant impacts.

The PEIR concluded that under conditions where multiple structural BMPs are constructed concurrently within the EWMP areas, it is anticipated that the total aggregate construction emissions (on a daily basis) would exceed the SCAQMD's significance threshold for criteria pollutants, even with implementation of mitigation measures. As such the program's impacts could be significant and unavoidable and cumulatively considerable, resulting in a significant and unavoidable cumulative impact. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. There are two specific impact issues that have been analyzed with respect to the proposed Project's potential to expose sensitive receptors to substantial pollutant concentrations, as follows:
- Localized short-term criteria pollutant concentration impacts; and
 - Health-risk impacts from toxic air contaminant (TAC) emissions.

Localized Criteria Pollutant Impact Analysis

SCAQMD Localized Significance Thresholds (LSTs) are used to determine if a project could exceed ambient air quality thresholds for nearby sensitive receptors. Unlike comparison with the SCAQMD regional emissions thresholds (Section III(c)), the emissions that are compared to the LSTs are only the on-site emissions, that do not include off-site vehicle trip emissions. The LSTs were established by SCAQMD for each source receptor area (SRA) within their jurisdiction, and represent on-site emission levels that could cause ambient air quality standard exceedances or substantial contributions to existing exceedances at given distances from the site to nearby receptor locations. SCAQMD identifies the Windsor Hills area of Los Angeles County as being within SRA 1 (Central Los Angeles County), and the nearest sensitive receptors are the nearest residence (5820 Ladera Park Avenue) and nearest school (Communion Christian Academy, 4729 W. Slauson Avenue) that are both located between 25 and 50 meters from the border of the Project site.

The SCAQMD LST emissions thresholds that are applicable within SRA 1 for a one-acre construction project with a receptor distance of 25 meters are as follows (SCAQMD, 2009):

- NO_x – 74 lbs/day
- CO – 680 lbs/day
- PM₁₀ – 5 lbs/day
- PM_{2.5} – 3 lbs/day

Table 3-2 compares the maximum daily unmitigated construction emissions of the proposed Project with the SCAQMD's most conservative applicable LSTs. The proposed Project's maximum unmitigated worst-case daily on-site construction emissions have been estimated to be well below the SCAQMD LSTs. Project operations would have negligible emissions that would not have the potential to exceed LST thresholds. Therefore, proposed Project construction and operation are determined to have less-than-significant localized impacts.

	CO	NOx	PM10	PM2.5
Maximum On-site Unmitigated Construction Emissions (lbs/day)	41.70	28.48	1.76	1.35
SCAQMD Localized Significance Thresholds (lbs/day)	680	74	5	3
<i>Exceeds Thresholds?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Source: Appendix E; SCAQMD, 2009

The PEIR concluded that the construction emissions generated by a new structural BMP project could potentially cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards at the existing sensitive uses located in the vicinity of that project. For individual structural BMP projects that fit this scenario, mitigation would be applied to reduce impacts to a less-than-significant level. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

Toxic Air Contaminants (TAC) Health Risk Analysis

TAC emissions, primarily in the form of diesel particulate matter, would occur during the short-term construction period, and then intermittently during the limited operations and maintenance activities required for the proposed Project. However, the amount of TAC emissions that would be emitted from the proposed Project's activities is minimal. Therefore, it is concluded that the Project's TAC emissions would cause less-than-significant health risk impacts.

The PEIR concluded that since off-road heavy-duty diesel equipment would only be used temporarily during construction at each structural BMP site, construction would not expose sensitive receptors to substantial emissions of TACs and impacts would be less than significant. For operations, the PEIR concluded that health risks from TAC emissions would not occur. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. Some objectionable odors may be temporarily created during construction-related activities, such as from diesel exhaust and paving activities. These odors would not affect a substantial number of people and would only occur in localized areas. Objectionable odors are not expected to occur from the proposed Project operating facilities, including the pre-treatment system. Therefore, impacts related to objectionable odors would be less than significant.

The PEIR concluded that odors from construction equipment would be a temporary source of nuisance to adjacent uses, but because they are temporary and intermittent in nature, would not be considered a significant environmental impact. BMPs that include retaining intermittent stormwater or dry weather flows on site may result in organic odors as water levels fluctuate and decomposition occurs, and if these facilities are near residential areas the odors could may result in a severe nuisance. With mitigation, this impact was reduced to a less-than-significant level. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

IV. BIOLOGICAL RESOURCES

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

This section presents a project-specific description of plant and wildlife communities and special-status species, followed by an assessment of potential impacts to these resources from implementation of the proposed Project. Where applicable, PMMs that are designed to offset potential impacts to these resources have been identified from the PEIR. A one-day reconnaissance level survey was conducted on the Project site on August 2, 2017, and the staging area for the proposed Project was surveyed on September 25, 2017. The reconnaissance level surveys were performed to document wildlife use, map vegetation communities, and assess the habitat suitability for special-status species. In addition to information gained from the one-day site visit, readily available data sources from the California Department of Fish and Wildlife (CDFW), California Native Plant Society, and other available information were used in preparing this section.

Environmental Setting

The proposed Project is located within the northeastern portion of the 15.84-acre Ladera Park, an urban park in Windsor Hills, unincorporated Los Angeles County. This Park is located within the densely urbanized Ballona Creek Watershed area of Los Angeles County. The portion of the Ballona Creek Watershed draining to Ladera Park consists of an area of approximately 110 acres, bounded by Stocker Street to the north, South La Brea Avenue to the west, West Mount Vernon Drive and Overhill Drive to the east, and West 59th Place to the south, as shown in Figure 2-2.

The proposed Project site location consists of 0.32 acre in the northeastern corner of Ladera Park immediately southwest of the intersection of West Slauson Avenue and Ladera Park Avenue. The topography of the area is relatively flat, sloping slightly downhill to the west and south. Vegetation

in the Project site consists of ornamental lawn grass, shrubs, and trees. Shrubs are non-native ornamental species, including red robin (*Photinia fraseri*), Japanese mock orange (*Pittosporum tobira*), French rose (*Rosa gallica*), and dog rose (*Rosa canina*), forming a border around the Ladera Park sign in the northcentral portion of the Project site. Trees in the Project footprint include five white alder (*Alnus rhombifolia*), a California native planted in an ornamental row along the concrete path forming the southern and western boundary of the Project site.

Vegetation surrounding the Project site consists of ornamental plantings to the south and west. Ornamental lawn grass dominates the understory of the Park while planted shade trees dominate the overstory. Ornamental shade trees in areas adjacent to the Project site consist of species native to California as well as non-native species. Native species observed in adjacent areas include Catalina ironwood (*Lyonothamnus floribundus*), coffeeberry (*Rhamnus californica*), western sycamore (*Platanus racemosa*), and California fan palm (*Washingtonia filifera*). Non-native species include Peruvian pepper (*Schinus molle*), Chinese elm (*Ulmus parviflora*), blue gum (*Eucalyptus globulus*), and strawberry tree (*Arbutus unedo*). Areas north and east of the Project site include paved areas in West Slauson Avenue and Ladera Park Avenue rights-of-way.

Ladera Park is isolated from open space areas by urban development in all directions. Areas to the east, south, and west of the park consist primarily of residential development. Areas to the north consist primarily of commercial development, which separates the Park from extensive oil fields approximately 500 meters north. The oil fields have remnant native vegetation communities in varied degrees of degradation.

The staging area for the proposed Project is the dirt overflow parking area to the east of the Yvonne B. Burke Sports Complex Baseball Fields in the Kenneth Hahn State Recreation Area. The staging area consists of approximately 1.5 acres on the east side of South Fairfax Avenue, approximately 800 feet north of West Slauson Avenue. The staging area is used regularly as a parking lot and is devoid of vegetation; however, non-native vegetation and remnants of native vegetation interspersed with oil field infrastructure surround the staging area on the north, east, and south.

Understory vegetation adjacent to the staging area includes native species such as western ragweed (*Ambrosia psilostachya*), clustered tarweed (*Deinandra fasciculata*), and coyote brush (*Baccharis pilularis*). The understory is dominated by invasive ruderal species such as fennel (*Foeniculum vulgare*), chicory (*Cichorium intybus*), black mustard (*Brassica nigra*), Russian thistle (*Salsola tragus*), riggut brome (*Bromus diandrus*), and pampas grass (*Cortaderia selloana*). The overstory includes non-native ornamental tree species, including oleander (*Nerium oleander*), silk tree (*Albizia julibrissin*), Mexican fan palm (*Washingtonia robusta*), and Peruvian pepper (*Schinus molle*). No vegetation would be removed at the staging area. All proposed Project activities would be restricted to the disturbed and compacted soils of the parking area.

Common Wildlife

Ornamental vegetation typically supports a limited number of resident and migratory wildlife species that have adapted to urban areas, as well as introduced non-native species. Wildlife identified in the Project site and staging area, either through direct observation or indirect signs of occurrence (during the August 2 and September 25, 2017 reconnaissance surveys) included a limited number of reptile, bird, and small mammal species.

Amphibians. No amphibians were observed during the survey. Given a lack of surface water in the Project site, staging area, and immediate surroundings, only amphibians that can reproduce without surface water have the potential to occur in the area, including garden slender salamander (*Batrachoseps major major*).

Reptiles. One reptile species, western fence lizard (*Sceloporus occidentalis*), was observed during the survey in areas adjacent to the Project site. Although not observed during the survey, alligator lizard (*Elgaria multicarinata*), side-blotched lizard (*Uta stansburiana*), and gopher snake (*Pituophis melanoleucus*) have potential to occur in the area.

Birds. Nine species of common birds were identified in the Project area during the survey. In addition, it is likely that many other birds use the site either as wintering habitat, for seasonal breeding, or during migration.

Birds were identified by sight and sound and were observed in every section of the site. Species observed include native species such as mourning dove (*Zenaida macroura*), Anna's hummingbird (*Calypte anna*), western scrub jay (*Aphelocoma californica*), American crow (*Corvus brachyrhynchos*), bushtit (*Psaltriparus minimus*), northern mockingbird (*Mimus polyglottos*), house finch (*Carpodacus mexicanus*), and lesser goldfinch (*Spinus psaltria*). Introduced species include rock dove (*Columba livia*) and house sparrow (*Passer domesticus*).

Mammals. The Project site is surrounded by development to the east, west, and south. The lack of connectivity to open space makes the potential for large mammals unlikely. Semi-natural lands are present adjacent to the proposed staging area on South Fairfax Avenue. Generally, the distribution of mammals within any given area is associated with the presence of such factors as access to perennial water, topographical and structural components (i.e., rock piles, vegetation, and stream terraces) that provide for cover and support prey base, and the presence of suitable soils for fossorial mammals. The staging area is regularly disturbed given its use as an overflow parking area for sporting events at the adjacent Yvonne B. Burke Sports Complex Baseball Fields. It is not expected to provide cover or prey base for mammals or connectivity to adjacent semi-natural areas.

The detection of mammals in the proposed Project area during surveys included direct observation of individuals and evidence of use, including burrows or other sign. Native small mammals or their sign were observed during the survey, including Botta's pocket gopher (*Thomomys bottae*) and California ground squirrel (*Otospermophilus beecheyi*). Non-native mammals observed during the survey include fox squirrel (*Sciurus niger*). Other mammals expected to occur include primarily non-native species such as house mouse (*Mus musculus*), roof rat (*Rattus rattus*), Virginia opossum (*Didelphis virginiana*), and raccoon (*Procyon lotor*).

Endangered, Threatened, or Rare Species

Special-status taxa include plant and wildlife species listed as threatened or endangered under the federal or California Endangered Species Acts, taxa proposed for listing, Species of Special Concern, plants considered by the California Native Plant Society (CNPS) to be rare, threatened, or endangered in California and beyond, and other taxa that have been identified by the United States Fish and Wildlife Service (USFWS), and CDFW as unique or rare and which have the potential to occur within the Project area.

Special-Status Plant Species. No special-status plants were observed in the Project area. The Park (established sometime between 1928 and 1938 based on a review of historical aerial photography) has been historically maintained as a recreational facility and the vegetation has been landscaped as turf for recreational use. It is highly unlikely that special-status plant species could have persisted in such a heavily maintained condition.

Table 3-3 lists special-status plants, including federally and State listed and California Rare Plant Rank (CRPR) 1 through 4 species that may occur or occurred historically in the Project vicinity. A record search using the California Natural Diversity Database (CNDDDB) and the CNPS Online Inventory (CNPS, 2017) was performed for special-status plant taxa that are known to occur within

or near the proposed Project area. The record search identified a total of eight special-status taxa that have been documented within the general region of the Project area. Each taxon was assessed for its potential to occur within the Project area based on the following criteria:

- **Present.** Taxa were observed within the Project area during the most recent survey or population has been acknowledged by CDFW, USFWS, or local experts.
- **High.** Both a documented recent record (within 10 years) exists of the taxa within the Project area or immediate vicinity (approximately 5 miles) and the environmental conditions (including soil type) associated with the taxa occur within the Project area.
- **Moderate.** Both a documented recent record (within 10 years) exists of the taxa within the Project area or the immediate vicinity (approximately 5 miles) and the environmental conditions associated with the taxa are marginal and/or limited within the Project area or the Project area is located within the known current distribution of the taxa and the environmental conditions (including soil type) associated with taxa presence occur within the Project area.
- **Low.** A historical record (over 10 years) exists of the taxa within the proposed Project area or general vicinity (approximately 10 miles) and the environmental conditions (including soil type) associated with taxa presence are marginal and/or limited within the Project area.
- **Not expected.** No habitat for the taxa occurs on site.

Based on an assessment of current habitat conditions and the results of the survey in the Project area, it was determined that the none of the eight taxa listed in Table 3-3 have potential to occur.

Taxa		Status	Blooming Period	Habitat Association and Elevation Limits	Potential to Occur in the Vegetation proposed Project area
Scientific Name	Common Name				
<i>Astragalus tener</i> var. <i>titi</i>	Coastal dunes milk-vetch	Fed: FE CA: SE CRPR:1B.1	Mar – May	Annual herb; prefers wetlands but occasionally found in non-wetlands in coastal strand, northern coastal scrub, coastal sage scrub, and riparian habitat with sandy loam substrate below 200 ft. elev.	Not expected. Suitable habitat not present. Site above known elevation range.
<i>Atriplex coulteri</i>	Coulter's saltbush	Fed: none CA: S1S2 CRPR: 1B.2	Mar – Oct	Perennial herb; prefers open areas, grassland, scrub, coarse substrate below 2,600 ft. elev.	Not expected on the Project site. Low potential at the proposed staging area. Not observed during survey.
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	Fed: none CA: S2 CRPR: 1B.1	Mar - Nov	Annual herb; prefers freshwater wetlands and vernal pools in valley grasslands with sandy loam substrate below 1,440 ft. elev.	Not expected. Suitable habitat not present. Not observed during survey.
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button celery	Fed: FE CA: SE CRPR: 1B.1	Apr – Jun	Annual or perennial herb; prefers vernal pools but also occurs in other wetlands in grasslands and coastal sage scrub with sandy loam substrate below 2,560 ft. elev.	Not expected. Suitable habitat not present. Not observed during survey.

Table 3-3. Known and Potential Occurrence of Special-Status Plant Taxa Within the Project Area

Taxa		Status	Blooming Period	Habitat Association and Elevation Limits	Potential to Occur in the Vegetation proposed Project area
Scientific Name	Common Name				
<i>Lasthenia glabrate</i> ssp. <i>coulteri</i>	Coulter's goldfields	Fed: none CA: S2 CRPR: 1B.1	Feb – Jun	Annual herb; prefers vernal pools, playas and salt marshes but occasionally occurs in non-wetland areas of these and riparian habitats in sandy loam substrate below 3,640 ft. elev.	Not expected. Suitable habitat not present.
<i>Navarretia fossalis</i>	Spreading navarretia	Fed: FT CA: S2 CRPR: 1B.1	Apr – Jun	Annual herb; occurs in wetlands in freshwater marsh, vernal pools, shadscale scrub and riparian areas with sandy loam substrate below 3,500 ft. elev.	Not expected. Suitable habitat not present.
<i>Orcuttia californica</i>	California orcutt grass	Fed: FE CA: SE CRPR: 1B.1	Apr – Aug	Annual grass; prefers vernal pools and other wetlands in valley grassland and riparian areas with sandy loam substrate below 2,165 ft. elev.	Not expected. Suitable habitat not present. Not observed during survey.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	Fed: none CA: S2 CRPR:2B.2	Aug – Oct	Perennial herb; prefers wetlands but occasionally found in non-wetlands of chaparral, yellow pine forest, coastal sage scrub, and riparian areas with sandy loam substrate below 4,560 ft. elev.	Not expected. Suitable habitat not present. Not observed during field survey.
Federal Rankings: FE – Federally Endangered FT – Federally Threatened FPT – Federally Proposed Threatened State Rankings: SE – State Endangered S1 – Less than 6 existing occurrences OR less than 100 individuals S2 – Between 6-20 existing occurrences OR between 1000-3000 individuals S3 – Between 21-100 existing occurrences OR between 3000-10,000 individuals .1 – Very threatened .2 – Threatened .3 – No current threats known (Rank may be expressed as a range of values; hence S2S3 means the rank is somewhere between the two; adding ? to the rank, such as in S2?, represents more certainty than S2S3, but less than S2)		CRPR Rankings: CRPR 1A – Presumed extinct in California CRPR 1B – Rare or endangered in California and elsewhere CRPR 2 – Rare or endangered in California, more common elsewhere CRPR 3 – More information needed CRPR 4 – Limited distribution (Watch List) 0.1 = Seriously endangered in California (over 80% of occurrences threatened / high degree and immediacy of threat) 0.2 = Fairly endangered in California (20-80% occurrences threatened) 0.3 = Not very endangered in California (<20% of occurrences threatened or no current threats known)			

Sources: CDFW 2017a and CNPS, 2017

Special-Status Wildlife. No special-status taxa were either observed or assumed to be present within, or immediately adjacent to the Project site or proposed staging area, based on the surveys conducted on August 2, 2017 and September 25, 2017. The CNDDDB was queried for occurrences of special-status wildlife taxa within and surrounding the USGS topographical quadrangle in which the Project area occurs. The specific habitat requirements and the locations of known occurrences of each special-status wildlife taxa were the principal criteria used for inclusion in the list of taxa

potentially occurring within the Project area. There are currently 12 special-status wildlife taxa that have been documented within the general region of the Project area. Each of the 12 taxa were assessed for its potential to occur within the Project area based on the following criteria:

- **Present.** Taxa (or sign) were observed in the Project area or in the same watershed (aquatic taxa only) during the most recent survey, or a population has been acknowledged by CDFW, USFWS, or local experts.
- **High.** Habitat (including soils) for the taxa occurs on site and a known occurrence occurs within the Project area or adjacent areas (within 5 miles of the site) within the past 20 years; however, these taxa were not detected during the most recent survey.
- **Moderate.** Habitat (including soils) for the taxa occurs on site and a known regional record occurs within the database search, but not within 5 miles of the site or within the past 20 years; or a known occurrence occurs within 5 miles of the site and within the past 20 years and marginal or limited amounts of habitat occurs on site; or the taxa's range includes the geographic area and suitable habitat exists.
- **Low.** Limited habitat for the taxa occurs on site and no known occurrences were found within the database search and the taxa's range includes the geographic area.
- **Not expected.** No habitat for the taxa occurs on site.

Table 3-4 summarizes the special-status wildlife taxa known to regionally occur and their potential for occurrence in the Project area.

Table 3-4. Known and Potential Occurrence of Special-Status Wildlife Species Within and Adjacent to the Project Area					
Taxa		Status	Habitat Type	Comments	Occurrence Potential
Scientific Name	Common Name				
INVERTEBRATES					
<i>Bombus crotchii</i>	Crotch bumble bee	S1S2	Occurs in grassland and scrub habitats in coastal California east to the Sierra-Cascade crest and south into Mexico. Food plants include milkweeds, lupines, phacelias, buckwheats, and sages.	Suitable food plants do not occur within the proposed Project area but may be present in scrub habitat in the oil fields adjacent to the staging area.	Not expected on Project site. Low potential at the proposed staging area.
REPTILES					
<i>Phrynosoma blainvillii</i>	Coast horned lizard	CSC	Inhabits coastal sage scrub and chaparral in arid and semi-arid climate zones. Prefers friable, rocky, or shallow sandy soil and requires native ant food source.	The nearest CNDDDB record for this species occurs approximately 8 miles to the south. There is no suitable habitat within the proposed Project area.	Not expected on Project site. Low potential at the staging area.

Table 3-4. Known and Potential Occurrence of Special-Status Wildlife Species Within and Adjacent to the Project Area

Taxa		Status	Habitat Type	Comments	Occurrence Potential
Scientific Name	Common Name				
BIRDS					
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	WL	Inhabits open woodlands in natural and urban areas. Nests mainly in taller deciduous trees.	The proposed Project area is located within the known geographic distribution for this species. Suitable nesting habitat is present in taller sycamore and eucalyptus trees proximate to the southwest of the proposed Project area. Suitable foraging habitat occurs throughout the proposed Project area and in the oil fields 1,500 feet north.	Moderate
<i>Agelaius tricolor</i>	Tricolored blackbird	SE	Endemic in southern California freshwater marsh habitat. Highly colonial species nesting densely in cattails, bulrushes, and willows at the water's edge. Requires open space for foraging in proximity to nesting habitat.	Nearest known record 6 miles to south from Dominguez Lagoon, early 1940's. Habitat no longer present and presumed extirpated. No suitable habitat present in the proposed Project area.	Not expected
<i>Athene cunicularia</i> (burrowing sites & some wintering sites)	Burrowing owl	BCC, CSC	Prefers open, dry perennial or annual grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, particularly California ground squirrels.	Nearest known record is approximately 8 miles northeast, dates from 1921. Habitat is no longer present and is presumed extirpated. There is potentially suitable habitat in the oil fields more than 1,500 feet north. No suitable habitat present in the proposed Project area.	Not expected on Project site. Low potential at the staging area.
<i>Empidonax traillii extimus</i>	Southwestern willow flycatcher	FE, SE	Migratory species that breeds in dense cottonwood and willow riparian habitats with saturated soils or streams. Typically also migrates through riparian habitat where prey items (flying insects) are common.	Nearest known record is approximately 8 miles northeast and dates from 1894. Habitat is no longer present and is presumed extirpated. There is no potentially suitable breeding or foraging habitat in the proposed Project area or vicinity.	Not expected
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	FT, CSC, BCC	Various sage scrub communities, often dominated by California sage and buckwheat. Generally avoids nesting in areas with a slope of greater than 40%, and typically less than 820 feet in elevation (CDFG 2010).	There are known records dating from 1980 for this species within a mile west of the proposed Project area. The occupied habitat has since been developed. However, there is suitable habitat in seminatural areas within the oil fields to the north. There is no suitable breeding and foraging habitat within the proposed Project area or within 500 meters.	Not expected on Project site. Low potential at the potential staging area.

Table 3-4. Known and Potential Occurrence of Special-Status Wildlife Species Within and Adjacent to the Project Area

Taxa		Status	Habitat Type	Comments	Occurrence Potential
Scientific Name	Common Name				
<i>Vireo bellii pusillus (nesting)</i>	Least Bell's vireo	FE, SE	Summer resident of southern California in low riparian habitats in vicinity of water or dry river bottoms below 2000 ft. elev. Nests are placed along margins of bushes or on twigs projecting into pathways, usually willow, mesquite, or baccharis.	Record from 1895 approximately 6 miles to east. Area has since been developed and is considered extirpated. No suitable habitat present in the proposed Project area or immediate vicinity.	Not expected
MAMMALS					
<i>Eumops perotis californicus</i>	Western mastiff bat	CSC	Occurs in many open, semi-arid to arid habitats, including woodland, scrub, grasslands, palm oases, chaparral, and urban areas. Roosts in crevices of cliff faces, high buildings, trees, and tunnels (CDFW 1990). Breeds in tight rock crevices at least 35 inches deep and 2 inches wide or in taller buildings.	The proposed Project area is located within the known geographic range for this species and the nearest known record is approximately 4.5 miles southeast. Potential breeding habitat does not occur but roosting habitat is present within the taller trees to the southwest of the proposed Project site.	Low
<i>Nyctinomops femorsaccus</i>	Pocketed free-tailed bat	CSC	Occurs in a wide variety of arid upland habitats, including pinyon-juniper woodland, desert scrub, desert wash, Joshua tree woodland, and palm oases. Roosts in rock crevices, caves, tunnels, mines, and occasionally buildings and unoccupied swallow nests (CDFG 2010).	The proposed Project area is located within the known geographic range for this species and the nearest known record is less than 2 miles south. Potential breeding habitat and roosting habitat is not present within the proposed Project area.	Not expected
<i>Microtus californicus stephensi</i>	South coast marsh vole	CSC	Occurs in tidal marshes along the coast of Southern California between Point Mugu, Ventura County and Sunset Beach, Orange County.	The nearest known record is shown as occurring less than 1.3 miles west and dates from 1957; however, the record notes a lack of specific location data. The nearest salt marsh habitat is approximately 2.2 miles west in the Ballona Wetlands. Potential habitat is not present within the proposed Project area.	Not expected
<i>Taxidea taxus</i>	American badger	CSC	Most abundant in drier open stages of shrub, forest, and herbaceous habitats. Requires sufficient food source, friable soils, and open, uncultivated ground. Preys on burrowing rodents.	The nearest known record for this species is approximately 8 miles northeast. There is no suitable habitat within the proposed Project area but there is marginally suitable habitat in semi-natural areas 1,500 feet north.	Low

Table 3-4. Known and Potential Occurrence of Special-Status Wildlife Species Within and Adjacent to the Project Area

Taxa		Status	Habitat Type	Comments	Occurrence Potential
Scientific Name	Common Name				
Federal Rankings: FE = Federally Endangered FT = Federally Threatened FC = Federal Candidate for Listing		State Rankings: SE = State Endangered ST = State Threatened CFP = California Fully Protected CPF = California Protected Fur-bearer SA = CDFW Special Animal WL = CDFW Watch List CSC = California Species of Special Concern			

Sources: CDFW 2017a.

- a. During the reconnaissance level surveys of the Project site on August 2, 2017 and staging area on September 25, 2017, no special-status plants were observed in the Project area. A review of special-status plants known to occur in the area found that one species, Coulter's saltbush, has a low potential to occur in the staging area.

While no special-status wildlife species were observed at the Project site or staging area, one species known from the area (refer to Table 3-4 above), was determined to have a moderate potential to occur (Cooper's hawk). An additional six species, also known from the area, were determined to have a low potential of occurrence (crotch bumble bee, coast horned lizard, burrowing owl, coastal California gnatcatcher, western mastiff bat, and American badger).

No direct impacts to special-status wildlife would be expected as a result of project implementation because species with potential to occur are not expected in the direct impact footprint. Construction during the avian breeding season (March – September) could result in the displacement of breeding birds and the abandonment of active nests. The increased noise levels resulting from construction activities would likely alter and/or preclude breeding activities for many common and sensitive bird species known to occur in the area. Potential indirect impacts include increased noise levels from heavy equipment, human disturbance, and disruption of breeding or foraging activity due to construction activities.

Mitigation measures were developed for the PEIR approved in 2015. PMM BIO-5 would apply to the Project site and proposed staging area for the Ladera Park Regional Stormwater Project and would reduce potential impacts to nesting birds to a level considered less than significant.

PMM BIO-5: If construction and vegetation removal is proposed between February 1 and August 31, a qualified biologist shall conduct a pre-construction survey for breeding and nesting birds and raptors within 500-feet of the construction limits to determine and map the location and extent of breeding birds that could be affected by the project. Active nest sites located during the pre-construction surveys shall be avoided until the adults and young are no longer reliant on the nest site for survival as determined by a qualified biologist.

The PEIR concluded that construction of structural BMPs may affect habitats that support special-status wildlife species; however, with implementation of the PMMs impacts would be less than significant. Operational impacts resulting from the combined effects of multiple BMPs limiting dry-weather flows were also determined to be less than significant with implementation of mitigation. The proposed Project's impacts were determined to be less than

significant with PMMs incorporated and no additional mitigation measures are required; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** No riparian habitat or other sensitive natural communities, identified in local or regional plans, policies, regulations, or by the CDFW or USFWS have been documented within or adjacent to the Project site or proposed staging area. Therefore, the proposed Project would have no impacts to these resources.

The PEIR concluded that impacts to riparian habitat or other sensitive natural communities would be significant if BMPs occur within or adjacent to Significant Ecological Areas, riparian habitat, or other sensitive natural communities, but would be reduced to a less-than-significant level with mitigation. The proposed Project would have no impact on riparian habitat or other sensitive natural communities; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c.** No federally protected wetlands, as defined by Section 404 of the Clean Water Act were identified within the Project site or proposed staging area during the reconnaissance surveys conducted on August 2, 2017 and September 25, 2017. Therefore, the proposed Project would have no impact to wetlands.

The PEIR concluded that impacts to wetland habitats would be significant if projects impact native vegetation within jurisdictional drainages, but would be reduced to a less-than-significant level with mitigation. The proposed Project would have no impact on wetlands; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d.** There are no known established wildlife corridors within the Project site footprint. Construction activities associated with the proposed Project would occur over a 6-month period and be limited to daylight hours. Upon completion of construction-related activities, all disturbed areas would be revegetated at the Project site. Staging activities would occur on previously disturbed areas, and no vegetation removal would occur at the staging area(s). The staging area located on South Fairfax Avenue is currently being used as overflow parking for the baseball field on the west side of South Fairfax Avenue. Therefore, while daytime movement through the Project area may be affected for a short duration, the impacts to wildlife movement would be less than significant.

The PEIR concluded that the EWMP would not be expected to interfere with wildlife movement or any migratory corridor/linkage, would not be constructed within a native wildlife nursery site, or reduce open water features used by migratory birds, as structural BMPs would primarily be constructed within existing stormwater facilities or disturbed areas. As such, impacts would be less than significant. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e.** The proposed Project would potentially result in the removal of five ornamental native white alder trees. All tree removals would be replaced with native species, including white alder or western sycamore. Based on a review of local policies and ordinances, and the current conditions within the impact areas, the trees that would be removed are not subject to any tree removal ordinance. Therefore, the proposed Project would not conflict with any local policies or ordinances protecting biological resources. No impact would occur.

The PEIR concluded that conflicts with local policies or ordinances would occur if oak trees within Los Angeles County were to be impacted, but would be reduced to a less-than-significant level with mitigation. The proposed Project would have no impact on oak trees; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. There are no Habitat Conservation Plans, Natural Community Conservation Plans, or other approved local, regional, or State habitat conservation plans within the general area. No impact would occur.

The PEIR concluded that conflicts with conservation plans are not anticipated, and that any projects affecting a Significant Ecological Area must undergo a performance review process for compliance, such that impacts would be less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

V. CULTURAL RESOURCES

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

This section describes the existing cultural and paleontological resources in the Project area and discusses potential impacts associated with the proposed Project. Cultural resources are historic and prehistoric archaeological sites, historic-aged architectural or engineering features and structures, and places of traditional cultural significance to Native Americans and other ethnic groups. Paleontological resources include fossil plants and animals, and other evidence of past life, such as preserved animal tracks and burrows, and can include whole geologic units that are documented as containing sensitive and unique paleontological remains. Data provided by fossils contribute to proper stratigraphic interpretations, paleoenvironmental and paleoclimatic reconstructions, and to understanding evolutionary processes.

Environmental Setting

The Project site is in the Windsor Hills community in the unincorporated area of Los Angeles County. Ladera Park is an existing urban area surrounded by single-family and multi-family residential developments and commercial uses.

Cultural Resources

A summary of the area’s cultural setting is provided below and is organized according to Prehistoric, Historic, and Ethnohistoric Periods. The Prehistoric Period covers the era prior to sustained European contact (AD 1776), while the Historic Period covers the time subsequent to that contact. The Ethnohistoric Period presents information regarding the Native American inhabitants of the region, as understood through historical accounts and information given to anthropologists by Native Californians during the late 19th and early 20th centuries.

Prehistoric Period. Due to the extensive remodeling of the Los Angeles Basin by non-indigenous settlers, comparatively little is known about the prehistoric inhabitants of the region. Nevertheless, a broad characterization of past human existence in California does exist and is instrumental in shaping our understanding of potential impacts of the proposed Project on older cultural material deposits that may lay intact below the modern ground surface within the Project area.

Broadly speaking, the earliest occupation of the region occurred during the Paleoindian phase, which lasted from about 12,000 to 7,500 years before present (BP). This phase was marked by rapid mobility across the landscape as small bands of humans hunted megafauna and subsisted on available terrestrial and marine food resources. From 7,500 to 3,500 BP, a period of climatic warming and drying conditions affected much of the western hemisphere. Local Native American traditions thus reflected a growing pattern of milling stone tools and although still quite mobile, seasonal plant and animal resource procurement cycles began. Then, from 3,500 to 1,000 BP, the climate became much cooler and moister. The emergence of shell beads, more refined

projectile point production, and the continued expansion of milling stone technologies is noted throughout the region. Marked territoriality and the development of more sophisticated forms of trade, exchange, and ritual systems emerge.

Between 1,000 and 180 BP (roughly the time of European arrival), the region experienced an overall increase in Native American population, although this increase was marked by severe loss and recovery of those population numbers. Meanwhile, the entire California region underwent a series of devastating drought conditions that lasted several hundred years each. It is hypothesized by researchers that these conditions gave rise to the social, economic, political, and religious systems that were witnessed at the time of European arrival. Complex inter-related mechanisms of ethnic identity, linguistic affiliation, kinship, and ritual practices emerged in order to ensure group access to key resources during a time of stressed environmental conditions that limited food supply.

Ethnographic Period. The Project site is situated within the ethnohistoric and linguistic boundaries of the Tongva tribal group (Bean and Smith, 1978; Johnson and Lorenz, 2006). The earliest recorded contact with the Tongva occurred in A.D. 1520 when Spanish explorers visited Santa Catalina Island, off the coast of present-day Santa Monica. However, the Tongva nation occupied a large area that extended west from the coast inland to the San Gabriel Mountains, northwest to Topanga Canyon, and south to Huntington Beach. During the Mission Period (ca. A.D. 1769 to 1821), many Tongva were taken to the San Fernando and San Gabriel Missions. The names Gabrieleño and Fernandeseño Tongva are derived from this Period.

Examination of Mission baptismal records and historical accounts written by early anthropologists who lived among the Tongva indicate that several large village sites are located within the Los Angeles Basin. It is also evident that village locations were strategically placed along major coastal bays and inlets, as well as along major tributaries and seasonally resource rich 1st and 2nd order streams of the inland foothills and mountains. The Tongva depended mainly on marine and terrestrial food resources, including fish, deer, acorn and pine nuts, while diverse plant and tree resources were used for medicinal uses (Tongvapeople.org, 2017).

Historic Period. The earliest historic period occupation of the Project area by Europeans is associated with Mission San Gabriel in 1771, which was set up by the Spanish from an outpost in Arizona, followed by the Franciscan monks who established the San Fernando Mission Rey de Espana in 1797 (Los Angeles County, 2017). Following the end of the Mexican War of Independence in 1821, the missions were secularized and the land reallocated to wealthy elites by the Mexican government. Gold was found in Placerita Canyon in 1842 resulting in a small-scale gold rush. In 1848, Los Angeles County, along with the rest of California, became a U.S. territory in the Treaty of Guadalupe Hidalgo (Los Angeles County, 2017). In 1876, the Southern Pacific Railroad established a station in Saugus along a new rail line to Los Angeles (Morris, 1977). Oil was discovered in the region in 1936 (Los Angeles County, 2017).

The Project site is within Ladera Park. The Park was evaluated by Sapphos Environmental, Inc. in 2017 and recommended as eligible for inclusion in the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), and County of Los Angeles Register of Landmarks and Historic Districts (LA-RLHD) as a historic district. The Park was scheduled for construction in 1933 and opened in 1936. The Park's construction is associated with the federal Works Progress Administration (WPA) and Emergency Conservation Act program of the 1930s and 1940s, although the Park's period of significance spans from 1936 to 1958. Eligible components of the Park include the amphitheater, baseball field, recreation building, tennis courts (1 and 2), and various elements of the landscape and setting that include: a stairway, stairs and stone pillars associated with the baseball field, red sandstone drinking fountains, a stone wall,

concrete walkway and curbs, shelter wall, foundation and wall, and red sandstone wall system near the Senior Center lot (Sapphos International, Inc., 2017:6-19, 6-20, 6-21).

Records Search

Per PMM CUL-2 (see text below), Aspen cultural resources specialists conducted a desktop cultural resources assessment of the Project area. This background research included obtaining information from the South Central Coastal Information Center (SCCIC), located at California State University Fullerton, concerning previously conducted cultural resources surveys and previously recorded sites in the Project area. The desktop assessment included the Project area and a ¼-mile radius around the Project area boundary (study area).

PMM CUL-2: Implementing agencies shall ensure that individual EWMP projects that require ground disturbance shall be subject to a Phase I cultural resources inventory on a project-specific basis prior to the implementing agency's approval of project plans. The study shall be conducted or supervised by a qualified archaeologist, defined as an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archaeology, and shall be conducted in consultation with the local Native American representatives expressing interest. The cultural resources inventory shall include a cultural resources records search to be conducted at the South Central Coastal Information Center; scoping with the NAHC and with interested Native Americans identified by the NAHC; a pedestrian archaeological survey where deemed appropriate by the qualified archaeologist; and formal recordation of all identified archaeological resources on California Department of Parks and Recreation 523 forms and significance evaluation of such resources presented in a technical report following the guidelines in *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format*, Department of Parks and Recreation, Office of Historic Preservation, State of California, 1990.

If potentially significant archaeological resources are encountered during the survey, the implementing agency shall require that the resources are evaluated by the qualified archaeologist for their eligibility for listing in the CRHR and for significance as a historical resource or unique archaeological resource per CEQA Guidelines Section 15064.5. Recommendations shall be made for treatment of these resources if found to be significant, in consultation with the implementing agency and the appropriate Native American groups for prehistoric resources. Per CEQA Guidelines Section 15126.4(b)(3), preservation in place shall be the preferred manner of mitigation to avoid impacts to archaeological resources qualifying as historical resources. Methods of avoidance may include, but shall not be limited to, project reroute or redesign, project cancellation, or identification of protection measures such as capping or fencing. Consistent with CEQA Guidelines Section 15126.4(b)(3)(C), if it is demonstrated that resources cannot be avoided, the qualified archaeologist shall develop additional treatment measures, which may include data recovery or other appropriate measures, in consultation with the implementing agency, and any local Native American representatives expressing interest in prehistoric or tribal resources. If an archaeological site does not qualify as an historical resource but meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site shall be treated in accordance with the provisions of Section 21083.2.

The results of the records search indicate that one previous cultural resources survey was completed within the Project area (LA-11937), and four additional surveys have been completed outside of the Project area but within the ¼-mile search radius (see Table 3-5). The EIR/EIS presented in LA-11937 did not identify any sensitive historical resources or archaeological

resources within the Project study area, which encompasses 100 percent of the current Project area. No previously identified cultural resources have been recorded in the study area.

Table 3-5. Previous Projects within ¼-mile of the Project Area.

Report No.	Author	Year	Study	Report Type	# of New Resources	Inside or Outside Project Area
LA-00098	Clellow, William C. Jr.	1975	Evaluation of the Archaeological Resources and Potential Impact of the Development of Baldwin Hills County Regional Park	Archaeological, Field study	0	Outside
LA-02369	Romani, Gwendolyn R.	1991	Archaeological Investigation: Tentative Tract Map No. 50594, Baldwin Hills, Los Angeles County, California	Archaeological, Field study	0	Outside
LA-05104	Wells, Helen Fairman	2000	Phase I Cultural Resources Investigation of Kenneth Hahn State Recreation Area Proposed Development, Los Angeles County, California	Archaeological, Field study	0	Outside
LA-09992	Marine Research Specialists	2008	Notice of Availability, Baldwin Hills Community Standards District Draft Environmental Impact Report	Management/ Planning	0	Outside
LA-11973	USDT Federal Transit Administration	2011	Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final Environmental Impact Statement	Management/ Planning	0	Inside

Aspen cultural resources specialists also requested a search of the Sacred Lands File Database from the Native American Heritage Commission (NAHC), located in Sacramento. The record search of the NAHC Sacred Lands File was completed with negative results (i.e., no records found). However, not all tribal sacred sites are registered with the NAHC. Tribal consultation with local tribes is recommended to identify any possible sacred sites or traditional cultural resources in or near the Project area. The County contacted the local tribes, including the Fernandeano Tataviam Band of Mission Indians, Gabrieleño Tongva San Gabriel Band of Mission Indians, Gabrieleño Band of Mission Indians – Kizh Nation, San Manuel Band of Mission Indians, and the Tejon Indian Tribe. No tribal cultural resources were identified on the Project site. Furthermore, the County determined that the analysis for the proposed Project falls within the analysis of the PEIR; and the PEIR has adopted mitigation measures to address the potential effects of the proposed Project on tribal cultural resources.

Paleontology

In compliance with PMM CUL-5 (see text below), a vertebrate paleontology records search was requested from the Natural History Museum of Los Angeles County (McLeod, 2017). While the search did not identify any known vertebrate fossil localities directly within the Project area, several localities are located in proximity to the Project area. In addition, McLeod (2017:1) notes that while the northwestern section of the Project area contains primarily non-native fill soil, most of the Project area consists of older Quaternary Alluvium sedimentary deposits that have produced numerous significant fossil specimens during previous construction activities. Shallow excavations in the artificial fill in the very northwestern portion of the proposed Project area probably will not uncover any significant vertebrate fossils. Deeper excavations there that extend down into in situ deposits, or any excavations in the older Quaternary Alluvium exposed

throughout most of the Project area, however, may well uncover significant fossil vertebrate remains (McLeod, 2017:2).

PMM CUL-5: For individual structural BMP projects that require ground disturbance, the implementing agency shall evaluate the sensitivity of the project site for paleontological resources. If deemed necessary, the implementing agency shall retain a qualified paleontologist to evaluate the project and provide recommendations regarding additional work, potentially including testing or construction monitoring.

Regulatory Setting

State

California Environmental Quality Act (California Public Resources Code Section 21000 et seq.) (1970). CEQA Guidelines define significant cultural resources under two regulatory designations: historical resources and unique archaeological resources. A resource listed in, or determined to be eligible for listing in, the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR). A resource must meet at least one of four criteria (PRC §5024.1; 14 CCR §15064.5[a][3]). Historical resources must also possess integrity of location, design, setting, materials, workmanship, feeling, and association (14 CCR 4852[c]).

Additionally, CEQA states that it is the responsibility of the lead agency to determine whether a project will have a significant effect on “unique” archaeological resources. An archaeological artifact, object, or site can meet CEQA’s definition of a unique archaeological resource even if it does not qualify as a historical resource (PRC 21083.2[g]; 14 CCR 15064.5[c][3]).

The California Public Resources Code (PRC) Section 5097.5 affirms that no person shall willingly or knowingly excavate, remove, or otherwise destroy a vertebrate paleontological site or paleontological feature without the express permission of the overseeing public land agency. It further states under PRC Section 30244 that any development that would adversely impact paleontological resources shall require reasonable mitigation. These regulations apply to projects located on land owned by or under the jurisdiction of the State or any city, county, district, or other public agency (PRC §5097.5). The importance of paleontological resources is based on their scientific and educational value. The Society of Vertebrate Paleontology (SVP) identifies vertebrate fossils, their taphonomic and associated environmental data, and fossiliferous deposits as scientifically significant nonrenewable paleontological resources (SVP, 2010). Botanical and invertebrate fossils and assemblages may also be significant. Absent specific agency guidelines, most professional paleontologists in California adhere to guidelines set forth in “Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources” (SVP, 2010). These categories include high, undetermined, low, and no potential.

California Health and Safety Code Section 7050.5. This code establishes that any person, who knowingly mutilates, disinters, wantonly disturbs, or willfully removes any human remains in or from any location without authority of law is guilty of a misdemeanor. It further defines procedures for the discovery and treatment of Native American human remains. All work at the site of discovery must cease immediately, and notification made to the County Coroner. Within 48 hours of discovery, the coroner must determine if the remains are Native American in origin. If this is determined, then the coroner must then notify the NAHC by telephone within 24 hours. Furthermore, California Health and Safety Code Section 7050.5 states that any person who knowingly mutilates or disinters, wantonly disturbs, or willfully removes any human remains in or from any location other than a dedicated cemetery without authority of law is guilty of a misdemeanor, except as provided in PRC Section 5097.99. Any person removing any human remains without authority of law or written permission of the person or persons having the right to

control the remains under PRC Section 7100 has committed a public offense that is punishable by imprisonment (Health and Safety Code §7051).

The Society of Vertebrate Paleontology (SVP) identifies vertebrate fossils, their taphonomic and associated environmental data, and fossiliferous deposits as scientifically significant nonrenewable paleontological resources (SVP, 2010). Botanical and invertebrate fossils and assemblages may also be significant. Absent specific agency guidelines, most professional paleontologists in California adhere to guidelines set forth in “Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources” (SVP, 2010). These categories include high, undetermined, low, and no potential.

Local

The Los Angeles County Historical Landmarks and Records Commission (Commission) considers and recommends to the Board of Supervisors local historical landmarks defined to be worthy of registration by the State of California, either as California Historical Landmarks or as Points of Historical Interest. The Commission also may comment for the Board on applications relating to the NRHP. The Commission also is charged with fostering and promoting the preservation of historical records. In its capacity as the memorial plaque review committee of the County of Los Angeles, the Commission screens applications for donations of historical memorial plaques and recommends to the Board plaques worthy of installation as County property. In 2015, the Board of Supervisors adopted the Historic Preservation Ordinance (HPO) that:

- Specifies criteria and procedures for the designation of landmarks and historic districts;
 - Prohibits work, including demolition, on property nominated but not yet designated as a landmark or historic district;
 - Encourages adaptive reuse of landmarks and historic district contributors by providing relief from parking requirements;
 - Provides for the enhancement of historic districts by the establishment of development guidelines and standards, and by allowing streetscape improvements that are compatible with the areas historic character;
 - Specifies criteria and procedures for reviewing proposed work on designated landmarks or on property within historic districts;
 - Requires maintenance of landmarks and historic district contributors to prevent deterioration; and
 - Establishes penalties for unauthorized work, including demolition, on landmarks or historic district contributors.
- a. Ladera Park has been recommended by a qualified architectural historian or preservation architect meeting the Secretary of the Interior’s Professional Qualification Standards for Architectural History as eligible for listing in the NRHP, CRHR, and County of Los Angeles Register of Landmarks and Historic Districts. Therefore, the proposed Project has potential to cause a substantial adverse change in the significance of a historical resource, specifically the walkways/curbs within the Park. With implementation of PMM CUL-1 (see text below), a treatment plan would be prepared by DPW or a consulting preservation professional to ensure impacts to the historic resources within Ladera Park (i.e., sidewalks, curbs) would be reduced to less than significant. In addition, it is possible that previously unrecorded historical resources could be discovered and damaged or destroyed during ground disturbing work, which would constitute a significant impact absent mitigation. Implementation of PMMs CUL-3 and CUL-4 (see text below) would ensure that unanticipated discoveries of historical resources are evaluated by a qualified archaeologist, who meets the Secretary of the Interiors Professional Qualifications and Standards, and are protected, thereby reducing this impact to less than significant.

PMM CUL-1: For individual EWMP projects that could impact buildings or structures (including infrastructure) 45 years old or older, implementing agencies shall ensure that a historic built environment survey is conducted or supervised by a qualified historian or architectural historian meeting the Secretary of the Interior's Professional Qualification Standards for Architectural History. Historic built environment resources shall be evaluated for their eligibility for listing in the CRHR or local register prior to the implementing agency's approval of project plans. If eligible resources that would be considered historical resources under CEQA are identified, demolition or substantial alteration of such resources shall be avoided. If avoidance is determined to be infeasible, the implementing agency shall require the preparation of a treatment plan to include, but not be limited to, photo-documentation and public interpretation of the resource. The plan will be submitted to the implementing agency for review and approval prior to implementation.

PMM CUL-3: The implementing agency shall retain archaeological monitors during ground-disturbing activities that have the potential to impact archaeological resources qualifying as historical resources or unique archaeological resources, as determined by a qualified archaeologist in consultation with the implementing agency, and any local Native American representatives expressing interest in the project. Native American monitors shall be retained for projects that have a high potential to impact sensitive Native American resources, as determined by the implementing agency in coordination with the qualified archaeologist.

PMM CUL-4: During project-level construction, should subsurface archaeological resources be discovered, all activity in the vicinity of the find shall stop and a qualified archaeologist shall be contacted to assess the significance of the find according to CEQA Guidelines Section 15064.5. If any find is determined to be significant, the archaeologist shall determine, in consultation with the implementing agency and any local Native American groups expressing interest, appropriate avoidance measures or other appropriate mitigation. Per CEQA Guidelines Section 15126.4(b)(3), preservation in place shall be the preferred means to avoid impacts to archaeological resources qualifying as historical resources. Methods of avoidance may include, but shall not be limited to, project reroute or redesign, project cancellation, or identification of protection measures such as capping or fencing. Consistent with CEQA Guidelines Section 15126.4(b)(3)(C), if it is demonstrated that resources cannot be avoided, the qualified archaeologist shall develop additional treatment measures, such as data recovery or other appropriate measures, in consultation with the implementing agency and any local Native American representatives expressing interest in prehistoric or tribal resources. If an archaeological site does not qualify as an historical resource but meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site shall be treated in accordance with the provisions of Section 21083.2.

The PEIR concluded that, if projects impact known or previously unknown historical resources, program-level impacts to historic resources would be significant and unavoidable after mitigation because the degree of impact and the applicability, feasibility, and success of the mitigation measures cannot be accurately predicted for each specific project. The proposed Project's site-specific impacts were determined to be less than significant with PMMs incorporated and no additional mitigation measures are required; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. No unique archaeological resources have been identified in the cultural resources study area. However, the proposed Project has potential to disturb native soils (see Project Description, Section 2.4.3). Thus, it is possible that previously unknown buried archaeological resources could be discovered and damaged or destroyed during ground disturbing work, which would constitute a significant impact absent mitigation. Implementation of PMMs CUL-3 and CUL-4 (text provided under Part (a) above) would evaluate and protect unique archaeological resources that may be discovered during ground disturbing work, thereby reducing this impact to less than significant.

The PEIR concluded that structural BMPs which involve grading, trenching, excavation, vegetation removal, or other forms of ground disturbance could significantly impact archaeological resources, but would be reduced to a less-than-significant level with mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated and no additional mitigation measures are required; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. The proposed Project has potential to impact unique paleontological resources or vertebrate fossil localities. In addition, there is a possibility that previously unknown paleontological resources or unique geologic features could be discovered and damaged or destroyed during ground disturbance, which would constitute a significant impact absent mitigation. Implementation of PMMCUL-6 (see text below) would identify and protect unanticipated discoveries of unique paleontological resources or unique geologic features, thereby reducing this impact to less than significant after mitigation.

PMM CUL-6: In the event that paleontological resources are discovered during construction, the implementing agency shall notify a qualified paleontologist. The paleontologist will evaluate the potential resource, assess the significance of the find, and recommend further actions to protect the resource.

The PEIR concluded that ground-disturbing construction activities could result in inadvertent discovery of paleontological resources, which could be a significant impact, but would be reduced to a less-than-significant level with mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated and no additional mitigation measures are required; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. A review of previously completed cultural resources surveys in the Project area indicates that there are no known human burials or cemeteries located in the Project area. However, it is possible that previously unknown human remains could be discovered and damaged or destroyed during ground disturbance, which would constitute a significant impact absent mitigation. Implementation of PMM CUL-3 (see text under Part (a) above) and PMM CUL-7 (see text below), which require archaeological monitoring during ground disturbing activities, as well as evaluation, protection, and appropriate disposition of human remains, would reduce this impact to less than significant after mitigation.

PMM CUL-7: The implementing agency shall require that, if human remains are uncovered during project construction, work in the vicinity of the find shall cease and the County Coroner shall be contacted to evaluate the remains, following the procedures and protocols set forth in Section 15064.5 (e)(1) of the CEQA Guidelines. If the County Coroner determines that the remains are Native American, the Coroner will contact the Native American Heritage Commission, in accordance with Health and Safety Code Section

7050.5, subdivision (c), and Public Resources Code 5097.98 (as amended by AB 2641). The NAHC will then designate a Most Likely Descendant of the deceased Native American, who will engage in consultation to determine the disposition of the remains.

The PEIR concluded that ground disturbance during construction could impact human remains which could be inadvertently damaged resulting in a significant impact; however, this impact would be reduced to a less-than-significant level with mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated and no additional mitigation measures are required; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

VI. GEOLOGY AND SOILS

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:		
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Be located on geologic units or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Regional and Local Geology

The proposed Project is situated within the coastal plain of Los Angeles County at the southern edge of the Baldwin Hills in the Los Angeles Basin geologic province of Southern California. Site elevations are approximately 200 feet above mean sea level, sloping gently to the south. The site is approximately six miles from the Pacific Ocean. The site is underlain by alluvial valley deposits consisting of unconsolidated clay, silt, sand, and gravel recently deposited parallel to localized stream valleys, and old alluvial valley deposits consisting of slightly to moderately consolidated, moderately dissected clay, silt, sand, and gravel along stream valleys and alluvial flats (USGS, 2017). The Inglewood Fault Zone traverses north-south approximately 600 feet east of the Project site (USGS, 2017).

Seismicity and Ground Shaking

Seismicity is defined as the geographic and historical distribution of earthquake activity. Seismic activity may result in geologic and seismic hazards including seismically induced fault displacement and rupture, ground shaking, liquefaction, lateral spreading, landslides and avalanches, and structural hazards. Based on historical seismic activity and fault and seismic hazards mapping, Los Angeles County is considered to have a relatively high potential for seismic activity. The most-recent significant earthquake that occurred in the vicinity of the Project site was the 1994 Northridge earthquake (Magnitude 6.7), located approximately 17 miles to the northwest.

The intensity of the seismic shaking, or strong ground motion, during an earthquake is dependent on the distance between the Project area and the epicenter (point at the Earth's surface directly above the initial movement of the fault at depth) of the earthquake, the magnitude (seismic energy released) of the earthquake, and the geologic conditions underlying and surrounding the Project area. Earthquakes occurring on faults closest to the Project area would most likely generate the largest ground motion. A commonly used benchmark is peak horizontal ground acceleration (ground shaking) that is provided for a probability of occurrence and is represented as a fraction of the acceleration of gravity (g). In the area of the proposed Project, the California Geological Survey estimates a peak ground acceleration of 0.694g with a 2 percent probability of being exceeded in 50 years (DOC, 2017a).

Fault Systems

The Inglewood (Newport-Inglewood) fault, located adjacent to the Project site, is right-lateral local reverse slip fault 47 miles in length extending from Culver City to Newport Beach. It's most recent surface rupture was in 1933, and it can produce strong earthquakes of magnitude 6.0 to 7.4 (SCEDC, 2017). The Project site is entirely within the Alquist-Priolo fault zone. The Alquist-Priolo zone is to ensure public safety by prohibiting the siting of most structures for human occupancy across traces of active faults that constitute a potential hazard to structures from surface faulting or fault creep.

Soils

Mapped soils in the Project area consist of the Sepulveda-Longshore graded complex. Sepulveda soils are well drained soils that formed in human-transported material found on alluvial fan remnants that originated from sedimentary sources. Longshore soils are deep, well drained soils that weathered from fine-grained sandstone on the side slopes and uplands of the coastal plain. Both are well-drained soils with low erosion ratings (UC Davis, 2017).

Liquefaction

Liquefaction is a seismic phenomenon in which loose, saturated, fine-grained granular soil behaves similarly to a fluid when subjected to high-intensity ground shaking. Liquefaction occurs when the following exists: (1) shallow groundwater; (2) low-density, fine, clean sandy soil; and (3) high-intensity ground motion. Liquefaction involves a sudden loss in strength of a saturated, cohesionless soil (predominantly sand) caused by cyclic loading such as an earthquake. This phenomenon results in elevated pore-water pressures that temporarily transform the soil into a fluid mass resulting in vertical settlement and could include lateral deformations. Typically, liquefaction occurs in areas where groundwater is less than 50 feet from the surface and where the soil consists predominantly of poorly consolidated sands.

The Project site does not have sandy soils, and groundwater is more than 50 feet below the surface. According to mapping by the California Department of Conservation, the Project site is not within an area of liquefaction (DOC, 2017b).

Landslides

Landslides, rockfalls, and debris flows may occur continuously on all slopes; some processes act very slowly, while others occur very suddenly, with potentially disastrous results. Areas of land sliding are, in general, confined to the areas of weak or clay bedrock and adverse geologic structure (such as bedding, joints or fracture planes dipping in downslope directions). Slides can result from certain geologic features, slope steepness, excessive rainfall, earthmoving disturbance, and seismic activity. Events and actions that trigger landslides include seismic ground shaking, over-weighting the slope with either naturally deposited colluviums or artificial fill, decreasing soil cohesiveness by adding water to the materials on the slope, excavation,

development, or undercutting a slope through erosive action or human disturbance. The area surrounding the Project site is designated as having moderate to low susceptibility to landsliding (DOC, 2017b).

Subsidence

Land subsidence is normally the result of fluid withdrawal such as groundwater and/or oil extraction that create subsurface voids, resulting in the sinking of the ground surface. When fluid is withdrawn, the effective pressure in the drained sediments increases. Compressible sediments are then compacted due to overlying pressures no longer being compensated by hydrostatic pressure from below.

There are numerous oil wells in the Baldwin Hills north of the Project site and there has been evidence of subsidence in the area in the past, attributed to oil extraction (USGS, 1976).

Collapsible Soils

Collapsible soils are soils that experience a decrease in volume and associated settlement as a result of a change in soil structure associated with wetting of partially saturated subsoil. Typically, collapsible soils occur predominantly at the base of mountains, where Holocene-age alluvial fan and wash sediments have been deposited during rapid runoff events. Collapsible soil is not present at proposed Project area.

Regulatory Setting

Federal

The Federal Emergency Management Agency (FEMA) is responsible for providing aid in the event of an earthquake that results in significant damage. The National Earthquake Hazards Reduction Program is a nationwide program designed to reduce the risk to lives and property resulting from earthquakes in the United States. It is managed as a collaborative effort between FEMA, the National Institute of Hazards and Technology, the National Science Foundation, and the United States Geological Survey (USGS).

State of California

The State of California has established a variety of regulations and requirements related to seismic safety and structural integrity, including the California Building Code, the Alquist-Priolo Earthquake Fault Zoning Act, and the Seismic Hazards Mapping Act.

California Building Code. The California Building Code (CBC) is included in Title 24 of the California Code of Regulations and is a portion of the California Building Standards Code. The CBC incorporates the Uniform Building Code (now International Building Code), a widely adopted model building code in the United States. The CBC contains specific requirements for seismic safety, excavation, foundations, retaining walls and site demolition. It also regulates grading activities, including drainage and erosion control.

Alquist-Priolo Earthquake Fault Zoning Act. This Act (Alquist-Priolo Act) was passed to mitigate the hazard of surface faulting associated with surface fault rupture to structures for human occupancy. It prohibits the location of structures designed for human occupancy across active faults and regulates construction within fault zones. The law requires the State of California to establish regulatory zones around surface traces of active faults and to issue the appropriate maps. It also requires a geologic investigation in the event of new construction, to ensure that it would not be located on a fault zone.

The Seismic Hazards Mapping Act. The Seismic Hazards Mapping Act addresses seismic hazards such as strong ground shaking, soil liquefaction, and earthquake-related landslides. This act requires the State of California to identify and map areas that are at risk for these (and related) hazards. Cities and counties are also required to regulate development in the mapped seismic hazard zones. The primary method of regulating construction in these areas is through the permit process, and a permit cannot be issued until a geological investigation is completed.

- a. The proposed Project is located within the Alquist-Priolo zone for the Inglewood Fault. Strong ground shaking and ground rupture are likely. Liquefaction and landslides are not anticipated. However, the proposed Project does not involve the construction of structures or features that would be occupied by humans. Although it is possible that the proposed Project structures could be damaged in an earthquake, it is not anticipated that there be a significant increase in the seismic-related risk to humans. Therefore, the proposed Project would have less-than-significant impacts from the earthquake fault zone, seismic ground shaking, ground failure, liquefaction, or landslides.

The PEIR concluded that the structural BMPs would be designed to minimize or avoid damage from fault rupture and seismic events, resulting in less-than-significant impacts from seismic-related hazards. As discussed above, the proposed Project would also have a less-than-significant seismic-related risk; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project would potentially increase the risk of topsoil erosion during construction, which would be controlled through the use of standard erosion control BMPs (e.g., silt fence, straw wattles), as required by the 2012 MS4 Permit. The site would then be revegetated and restored following construction with no increase in erosion potential. Furthermore, as noted above, mapped soils in the Project area are well-drained soils with low erosion ratings (UC Davis, 2017). Therefore, the proposed Project would have a less-than-significant impact resulting from erosion or topsoil loss.

The PEIR concluded that structural BMPs would generally serve to slow down or fully retain stormwater runoff, which would minimize soil erosion and loss of topsoil to less-than-significant levels. As discussed above, the proposed Project would also have a less-than-significant impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. Although there has been subsidence in the Project area caused by the nearby oil field in the past, the proposed Project would involve the infiltration of water which would have the potential to reduce the risk of subsidence. The Project site is not located on geologic units or soils that are otherwise known to be unstable. Evaluation of the subsurface conditions in the Project-specific geotechnical report (Kleinfelder, 2016) provides proper design criteria that would prevent the geologic units or soils from becoming unstable or potentially result in destabilization due to infiltrated water. Therefore, the proposed Project is in conformance with PMM HYDRO-1 (see text of measure below), and a less-than-significant impact from geologic units or soils that are unstable would occur.

PMM HYDRO-1: Prior to approving an infiltration BMP, the Permittee shall conduct an evaluation of the suitability of the BMP location. Appropriate infiltration BMP sites should avoid areas with low permeability where recharge could adversely affect neighboring subsurface infrastructure.

The PEIR concluded that project-level geotechnical investigations would be required to identify site-specific design criteria to abate geologic hazards. Consistent with PEIR requirements, a geotechnical report was prepared for the proposed Project. The proposed Project was determined to have a less-than-significant impact from unstable geologic units or soils. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. The Project area is underlain by well-drained alluvium, and based soil test results, the Project site soils have a low classification for expansion and shrink-swell potential. Therefore, the proposed Project would have no impact related to expansive soils.

The PEIR concluded that project-level geotechnical investigations would be required to ensure that structural BMPs are constructed in a manner that avoids impacts from expansive soils. Consistent with PEIR requirements, a geotechnical report was prepared for the proposed Project. The proposed Project was determined to have no impact related to expansive soils. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. The proposed Project does not include the construction of septic tanks or wastewater disposal systems. The proposed Project includes a stormwater capture system designed to capture and treat urban runoff and stormwater. A geotechnical investigation has been performed consistent with PMM HYDRO-1 (see text in Part (c) above), which provides the design parameters for the infiltration system. Based on the investigation, the soils at the Project site are capable of adequately supporting the Project design (Kleinfelder, 2016). Therefore, the proposed Project is in conformance with PMM HYDRO-1 and would have no impact with regard to wastewater disposal systems.

The PEIR concluded that none of the structural BMPs would include facilities that require the use of septic systems or alternate wastewater disposal systems where sewers are not available for the disposal of wastewater. As discussed above, the proposed Project would not involve septic tanks or wastewater disposal systems. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

VII. GREENHOUSE GAS EMISSIONS

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with any applicable plan, policy or regulation of an agency adopted for the purposes of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

While climate change has been a concern since at least 1998, as evidenced by the establishment of the United Nations and World Meteorological Organization’s Intergovernmental Panel on Climate Change (IPCC), efforts devoted to greenhouse gas (GHG) emissions reduction, and climate change research and policy have increased dramatically in recent years.

Global climate change (GCC) is expressed as changes in the average weather of the Earth, as measured by change in wind patterns, storms, precipitation, and temperature. Much scientific research has indicated that the human-related emissions of GHGs above natural levels are likely a significant contributor to GCC.

Because the direct environmental effect of GHG emissions is the increase in global temperatures, which in turn has numerous indirect effects on the environment and humans, the area of influence for GHG impacts associated with the proposed Project would be global. However, those cumulative global impacts would be manifested as impacts on resources and ecosystems in California.

GHGs are gases that trap heat in the atmosphere and are emitted by natural processes and human activities. Examples of GHGs that are produced both by natural processes and by industry include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The accumulation of GHGs in the atmosphere regulates the Earth’s temperature. GHGs have varying amounts of global warming potential (GWP). The GWP is the ability of a gas or aerosol to trap heat in the atmosphere. By convention, CO₂ is assigned a GWP of 1. In comparison, CH₄ per the IPCC’s Fourth Assessment Report has a GWP of 25, which means that it has a global warming effect 25 times greater than CO₂ on an equal-mass basis. To account for their GWP, GHG emissions are often reported as CO₂e (CO₂ equivalent). The CO₂e for a source is calculated by multiplying each GHG emission by its GWP, and then adding the results together to produce a single, combined emission rate representing all GHGs.

All levels of government have some responsibility for the protection of air quality, and each level (federal, State, and regional/local) has specific responsibilities relating to air quality regulation. Regulation of GHGs is a relatively new component of air quality. Several legislative actions have been adopted to regulate GHGs on a federal, State, and local level. There are a few State and local GHG emissions reduction goals and policies that may apply to the proposed Project; however, there are no federal, State, or local regulations that directly apply to the proposed Project’s construction and operation.

- a. The proposed Project would generate GHG emissions through construction activities. The period of construction would be short-term (six months), and construction-phase GHG emissions would occur directly from the off-road equipment used at the Project site and the on-road motor vehicles needed to mobilize crew, equipment, and materials. Operation

emissions are limited to intermittent cleanup of the NSBB with a vacuum truck (3 to 5 times each storm season); and intermittent upkeep of the drought tolerant garden, which would be more than offset by the existing upkeep and water use for the turf currently existing at the site. The proposed Project would reduce Ladera Park’s annual water use by nearly 170,00 gallons per year. Therefore, the operation and maintenance GHG emissions are negligible

The SCAQMD has established a GHG significance threshold of 10,000 metric tons per year (SCAQMD, 2015). This threshold is based on project-life amortized average annual emissions.

The proposed Project’s estimated amortized annual emissions are summarized in Table 3-6. Appendix E includes the GHG emissions estimate calculations for proposed Project construction.

Table 3-6. Greenhouse Gas Emissions	
Construction Emissions Source	GHG Emissions (Tons CO₂e)
On-road Vehicles	93
Off-road Equipment	115
Indirect Water Use	2
Subtotal	209
Amortized Annual Construction Emissions ¹	7.0
SCAQMD GHG Emissions Significance Threshold ²	11,023
Exceeds Thresholds?	No

Source: Appendix E; SCAQMD, 2015

1 – Amortized emissions are the construction emissions divided over the project life (30 years for industrial projects per SCAQMD guidance).

2 – The SCAQMD Significance Threshold of 10,000 metric tons has been converted to 11,023 short tons.

Table 3-6 shows that the proposed Project’s construction would have GHG emissions that are well below the significance criteria; therefore, the proposed Project would have less-than-significant GHG emissions impacts.

The PEIR concluded that GHG emissions generated by the structural BMPs in the EWMP areas would not exceed SCAQMD’s emissions thresholds, and impacts would be less than significant. As discussed above, the proposed Project’s impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** Climate change is a global phenomenon, and the regulatory background and scientific data are changing rapidly. In 2006, the California state legislature adopted Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006. AB 32 describes how global climate change would affect the environment in California. The impacts described in AB 32 include changing sea levels, changes in snow pack and availability of potable water, changes in storm flows and flood inundation zones, and other impacts. GHG emissions for the proposed Project would be generated from off-road equipment uses and on-road vehicle trips during construction. Operational GHG emissions, as noted above, would be negligible. The GHG emissions for the proposed Project, as described above, are expected to be minimal both during construction and operation of the proposed Project. Estimated GHG emissions of the proposed Project would be well below the threshold of the federal and State mandatory reporting regulation. The proposed Project’s GHG emissions would not trigger regulatory action under the federal 40 CFR Part 52 and the State Cap-and-Trade regulations. A summary of the compliance with all potentially applicable GHG plans, policies, and regulations is provided in Table 3-7.

Table 3-7. Project Consistency with Applicable Plans, Policies, and Regulations for GHG Emissions		
Adopted Plan, Policy, or Regulation	Consistency Determination	Proposed Project Consistency
Federal		
40 CFR Part 98. Mandatory Reporting of Greenhouse Gases Rule.	Not Applicable	The Project would not have emissions sources that would be subject to this regulation.
40 CFR Part 52. Proposed Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule.	Not Applicable	The Project would not have emissions sources that would be subject to this regulation.
State		
AB 32. Climate Change Scoping Plan	Consistent	The Project would conform with the Scoping Plan Action W-4 (Reuse Urban Runoff) by capturing urban runoff and using infiltration wells to increase groundwater supply.
AB 32. Annual GHG Emissions Reporting	Not Applicable	The Project does not include emissions sources that would be subject to this regulation.
AB 32. Cap-and-trade	Not Applicable	The Project does not include emissions sources that would be subject to this regulation.
Local		
SCAQMD Rules 2701 and 2702	Not Applicable	The Project is not proposing a GHG emissions reduction project.
County of Los Angeles Community Climate Action Plan (County of Los Angeles, 2015)	Consistent	The Project would be designed to include all applicable and feasible actions listed in the County's Climate Action Plan. This includes complying with action LUT-9 (Idle Restriction Goal) that is a CARB regulatory requirement; action WAW-2 (Recycled Water Use, Water Supply Improvement Programs, and Storm Water Runoff) where the Project would be consistent with this measure by expanding the Low Impact Development (LID) stormwater catchment to more facilities where feasible in the County, and by planting drought tolerant native vegetation that would only require temporary irrigation using reclaimed water; and LC-2 (Create New Vegetated Open Space) where the Project would be consistent with this measure by removing turf and planting drought tolerant native vegetation.

The Office of the California Attorney General maintains a website that addresses mitigation for GHGs (OAG 2016). This website provides links to documents that list potential CEQA mitigation measures for global climate change impacts. These documents tend to focus on the discussion of measures that are recommended to be added to planning documents, rather than the identification of measures that would be applicable to specific types of development projects. From these documents, specific mitigation measures that could be relevant to the proposed Project have been identified and listed in Table 3-8. This table identifies the applicability of each strategy and the Project design feature or mitigation measure that is proposed to comply with the applicable strategies.

Strategy	Project Design/Mitigation to Comply with Strategy
Vehicle Climate Change Standards	These are ARB enforced standards; vehicles that access the Project that are required to comply with the standards would comply with these strategies.
Limit Idling Time for Commercial Vehicles	Project vehicles would be required to comply with ARB idling restriction regulations.
Construction and Demolition Waste Reduction	County of Los Angeles Department of Public Works has committed to recycling construction wastes to the extent feasible.
Increase Water Use Efficiency	The Project would include native and/or climate-adapted landscaping on site that grows in low-water conditions.
California Solar Initiative	Does not directly apply to this Project, which does not actively use electricity from Independently Owned Utilities. The Project does not currently include installing solar panels on the property.

Source: OPR 2008; CAPCOA 2009

In summary, the proposed Project would conform to State and local GHG emissions reduction/climate change regulations and policies/strategies; therefore, the proposed Project would have less-than-significant impacts.

The PEIR concluded that implementation of structural BMPs in the EWMP areas would not generate substantial amounts of GHG emissions that would hinder the State's ability to achieve its GHG emission reduction goals under AB 32, or conflict with County reduction measures and plans. The proposed Project would also conform to State and County GHG emission reductions measures and policies, and impacts from the proposed Project would be less than significant. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

VIII. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Hazardous materials are substances which, by their nature and reactivity, have the capacity of causing harm or a health hazard during normal exposure or an accidental release or mishap, and are characterized as being toxic, corrosive, flammable, reactive, an irritant or strong sensitizer. The term “hazardous substances” encompasses chemicals regulated by both the US Department of Transportation’s “hazardous materials” regulations and the US Environmental Protection Agency’s (USEPA) “hazardous waste” regulations, including emergency response. Hazardous wastes require special handling and disposal because of their potential to damage public health and the environment. A designation of “acutely” or “extremely” hazardous refers to specific listed chemicals and quantities.

Activities and operations that use or manage hazardous or potentially hazardous substances could create a hazardous situation if release of these substances occurred. Individual circumstances, including the type of substance, quantity used or managed, and the nature of the activities and operations, affect the probable frequency and severity of consequences from a hazardous situation. Federal, state and local laws regulate the use and management of hazardous or potentially hazardous substances. This section considers the potential for human

health hazards or exposure of people to existing sources of potential health hazards from the proposed Project.

Installation of the diversion and pre-treatment system, water harvesting system, infiltration wells, demonstration garden, and other proposed Project components would occur within Ladera Park and within West Slauson Avenue and Ladera Park Avenue, where surrounding land uses include residential and commercial. Construction and operation would require the use of heavy equipment machinery, which requires petroleum fuels and lubricants to operate. The use of these potentially hazardous materials requires special handling and precautions during routine fueling operations and equipment maintenance.

Hazardous Materials Sites

An Environmental Data Resources (EDR) search was conducted to identify hazardous sites within a 1-mile radius of the Project site to meet the search requirements of USEPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for identifying hazardous material/waste sites. This report is included as Appendix D of this Addendum (EDR, 2017a). This report was reviewed. The Project site was not listed in any of the hazardous materials/waste site databases searched by EDR. Presented below is a summary of the results of the EDR search of the hazardous materials/waste site databases:

- **SEMS-ARCHIVE** (Superfund Enterprise Management System Archive): Tracks sites that have no further interest under the Federal Superfund Program. Archived status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and that USEPA has determined no further steps will be taken to list the site on the National Priorities List (NPL) (i.e., the location is not judged to be a potential NPL site). The *PXP Inglewood Oil Field* (5640 South Fairfax Avenue) is located approximately 0.3 mile from the Project site.
- **RCRA-SQG**: The database includes selective information on sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small-quantity generators generate between 100 and 1,000 kilograms of hazardous waste per month. Three sites were identified within approximately 0.25 miles of the Project site, including Tesoro (Shell), Dewey Pest Control, and Ladera Cleaner & Laundry.
- **ENVIROSTAR** (State- and tribal-equivalent CERCLIS): Sites that have known contamination or sites for which there may be reasons to investigate further. Two sites were identified within approximately 1 mile of the Project site. The La Tijera Elementary (1415 South La Tijera) has a status of certified, and Frank Parent Element (5354 West 64th Street) has a status of No Further Action.
- **LUST**: This search includes incident reports that contain an inventory of reported leaking underground storage tank incidents included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. Eight LUST sites were identified within approximately 0.5 mile of the Project site. All have a case closed status (EDR, 2017a; GeoTracker, 2015).
- **SLIC**: The Spills, Leaks, Investigations and Cleanup (SLIC) program is designed to protect and restore water quality from spills, leaks, and similar discharges. A review of the SLIC list revealed there is one (1) SLIC site within approximately 0.5 miles of the Project site – The Inglewood Oil Field (5640 Fairfax). Drilling for oil in the Baldwin Hills region of the Inglewood Oil Field first began in 1924 and peak oil production was achieved in 1925. The Inglewood Oil Field is currently owned by Sentinel Peak Resources (as of 2016) (IOF, 2017). All runoff from the Inglewood Oil Field is captured onsite. During the geotechnical work for the proposed Project, laboratory testing of soil samples from the Project site were analyzed for total petroleum hydrocarbons, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and

metals. All levels were determined to be below detection levels or at concentrations less than California Human Health Screening Level (Kleinfelder, 2016).

- **UST:** The Underground Storage Tank (UST) database contains registered USTs. USTs are regulated under RCRA Subtitle I. Data are from the State Water Resources Control Board's (SWRCB) Hazardous Substance Storage Container Database. Five sites were identified within approximately 0.25 mile of the Project site, all located along West Slauson Avenue and appear to be associated with gas stations.
- **AST:** This database includes a listing of the locations of aboveground storage tanks used to store petroleum. Two sites were identified within 0.25 mile of the Project site, including a gas station (Tesoro/Shell) and the Los Angeles County Fire Department Station #05 (5757 South Fairfax Avenue).
- **WMUDS/SWAT:** SWRCB and RWQCBs use the Waste Management Unit Database for program tracking and inventory of waste management units. This database includes reference to the Inglewood Oil Field.
- **SWEEPS UST:** Statewide listing of underground storage tanks maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. Eleven sites were found to be listed, most of which are accounted for in other databases (UST and AST).
- **HIST UST:** Listing of historical underground storage tanks dated 10/15/1990 revealed 12 historical UST sites within approximately 0.25 miles of the Project site. All appear to be associated with gas stations.
- **CA FID UST:** SWRCB list of active and inactive underground storage tanks by facility. Two listings were found within 0.25 miles of the Project site, both gas stations on West Slauson Avenue.
- **HIST CORTESE:** Sites on the Cortese List are designated by the SWRCB leaking underground storage tank (LUST) program, the Integrated Waste Board (SWF/LS), and the California Department of Toxic Substances Control (CALSITES). This listing is no longer updated by the state agency as of 04/01/2001. Seven listings were found within 0.5 mile of the Project site, all associated with gas stations.

Wildfires and Fire Hazard Safety Zones

Wildland fires represent a substantial threat in the state, particularly during the hot, dry summer months. Wildland fires may be started by natural processes, primarily lightning, or by human activities. California law requires the California Department of Forestry and Fire Protection (CAL FIRE) to identify areas (zones) based on the severity of fire hazard that is expected to prevail there. Consequently, CAL FIRE has established a fire hazard severity classification system to assess wildland fire potential. The fire hazard severity classification system identifies zones, depicted on CAL FIRE maps, which take into account potential fire intensity and speed, production and spread of embers, fuel loading, topography, and climate (e.g., temperature and the potential for strong winds) (CAL FIRE, 2017).

The fire hazard classification system provides three classes of fire hazards: Moderate, High, and Very High. Wildland fire protection in California is the responsibility of either the State, local government, or the federal government. State Responsibility Areas (SRAs) includes those areas where the financial responsibility of preventing and suppressing fires falls primarily on the State; incorporated cities and federal ownership are not included. Local Responsibility Areas (LRAs) include incorporated cities, cultivated agriculture lands, and portions of the desert. LRA fire protection is typically provided by city fire departments, fire protection districts, counties, and by

CAL FIRE under contract to local governments. Federal Responsibility Areas are those located on federal lands not otherwise included in SRAs and LRAs (CAL FIRE, 2017).

Regulatory Setting

Federal

At the federal level, the principal agency regulating the generation, transport and disposal of hazardous *materials* is the USEPA, under the authority of the RCRA. The USEPA regulates hazardous *waste sites* under the Comprehensive Environmental Response Compensation and Liability Act. Applicable federal regulations are contained primarily in Titles 29, 40, and 49 of the CFR.

State

The California Environmental Protection Agency (Cal-EPA) and the California Office of Emergency Services establish rules governing the use of hazardous materials. Chemical suppliers are responsible for complying with all applicable packaging, labeling and shipping regulations.

Within Cal-EPA, the Department of Toxic Substance Control has primary regulatory responsibility, with delegation of enforcement to local jurisdictions that enter into agreements with the state agency, for the generation, transport and disposal of hazardous materials under the authority of the Hazardous Waste Control Law. In 1993, Senate Bill (SB) 10821 assigned to Cal-EPA the authority and responsibility to establish a unified hazardous waste and hazardous materials management regulatory program (known as the Unified Program) under Health and Safety Code Chapter 6.11. The purpose of the Unified Program is to consolidate, coordinate, and make consistent, both locally and statewide, six different hazardous materials and hazardous waste regulatory programs. State regulations applicable to hazardous materials are indexed in Title 26 of the CCR.

Local

Local agencies (e.g. county health departments and fire departments) regulate hazards and hazardous materials exercising their police powers under existing State regulations for the monitoring and enforcement of those regulations. In Los Angeles County, Environmental Health is an enforcement agency operating as part of the Department of Public Health and is responsible for water, sewage and solid waste.

The County of Los Angeles Fire Department, Health Hazardous Materials Division became a Certified Unified Program Agency in 1997 and is tasked to administer the following programs within Los Angeles County: the Hazardous Waste Generator Program, the Hazardous Materials Release Response Plans and Inventory Program, the California Accidental Release Prevention Program, the Aboveground Storage Tank Program, and the Underground Storage Tank Program.

In 1998 the County of Los Angeles adopted the Los Angeles County Operational Area Emergency Response Plan, which provides emergency planning to the Project area. The intent of this plan is to increase cooperation and coordination between relevant government agencies and jurisdictions in order to increase efficiency and minimize losses (DPW, 2015).

- a. Urban runoff may contain sediment, fuel oils, grease, and chemicals from motor vehicles, fertilizers, pesticides, herbicides, bacteria from pet waste, heavy metals, etc. (DPW, 2015), which would accumulate within the stormwater capture system, generally within the stormwater pre-treatment system. This retention would help to minimize the impact of these materials compared to existing conditions by reducing contaminant loading to receiving

waters. Vegetation and microbial activity in soil would work to biodegrade the typical fuels, oil, and grease in local urban runoff (DPW, 2015).

Construction would involve the use of heavy equipment, which utilizes fuels and lubricants; however, the quantities involved would not create a significant hazard to the public or the environment. No hazardous materials would be routinely transported or disposed of during construction.

Maintenance activities would include removing accumulated sediment and debris, cleaning of the infiltration wells, and maintenance of the demonstration garden, which may involve heavy equipment utilizing fuel and oil. As such, maintenance activities could result in the release of these materials during routine transport, disposal, or use. The County would be required to comply with all applicable federal, State, and local laws and regulations that pertain to the transport, storage, use, and disposal of hazardous materials and waste. As such, impacts would be less than significant.

The PEIR concluded that impacts associated with hazardous waste would be less than significant given that the implementing agency and its contractor would be required to comply with all relevant and applicable federal, State, and local laws and regulations that pertain to the transport, storage, use, and disposal of hazardous material and waste. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project would require the use of heavy equipment, such that a potential exists for the release of fuels and/or lubricants during construction and/or operation. However, the County or its contractor would have an approved Spill Prevention Countermeasure and Control Plan, which is a standard BMP that would be included as a special provision in the construction contract(s), to address any release that may occur.

Furthermore, in compliance with applicable laws and regulations, DPW would implement PMM HAZ-1 (see text below) which requires preparation of a BMP Maintenance Plan to identify the frequency and procedures for removing and replacing accumulated debris, surface soils, and/or media to ensure constituent concentrations do not represent a hazardous condition or have the potential to migrate further and impact groundwater.

PMM HAZ-1: Implementing agencies shall prepare and implement maintenance practices that include periodic removal and replacement of surface soils and media that may accumulate constituents that could result in further migration of constituents to sub-soils and groundwater. A BMP Maintenance Plan shall be prepared by Implementing Agencies upon approval of the BMP projects, that identifies the frequency and procedures for removal and/or replacement of accumulated debris, surface soils and/or media (to depth where constituent concentrations do not represent a hazardous condition and/or have the potential to migrate further and impact groundwater) to avoid accumulation of hazardous concentrations and the potential to migrate further to sub-soils and groundwater. The BMP Maintenance Plan may consist of a general maintenance guideline that applies to several types of smaller distributed BMPs. For smaller distributed BMPs on private property, these plans may consist of a maintenance covenant that includes requirements to avoid the accumulation of hazardous concentrations in these BMPs that may impact underlying subsoils and groundwater. Structural BMPs shall be designed to prevent migration of constituents that may impact groundwater.

Therefore, the proposed Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

The proposed Project is located adjacent to a SCE transmission line corridor containing high-voltage electrical lines. These electrical lines run east-west immediately south of the Project site and along the greenbelt parallel and west of Ladera Park Avenue. Use of large construction equipment, such as a drilling rig for installation of the infiltration wells, could lead to conflicts with these existing transmission lines. Encroaching on the lines could result in electrical arcing if the minimum approach distance is not maintained (17 feet per California Division of Occupational Safety and Health [Cal/OSHA]); the minimum approach distance is the closest distance that a worker can safely approach a live transmission line. In compliance with PMM UTIL-1 (see text below), the County has coordinated with SCE regarding the proposed Project. As stated in the Project Description (Section 2.4.5), the County and its contractors will adhere to a minimum 17-foot clearance of the existing SCE transmission lines for all construction activities, as required by CalOSHA Title 8. As such, impacts would be less than significant.

PMM UTIL-1: Prior to implementation of BMPs, the implementing agency shall conduct a search for local utilities above and below ground that could be affected by the project. The implementing agencies shall contact each utility potentially affected to address relocation of the utility if necessary to ensure access and services are maintained.

The PEIR concluded that contaminants in the runoff water or as discrete concentrated spills could accumulate in the soils and vegetation of structural BMPs. Potential impacts from spills or contaminant accumulation would be reduced to a less-than-significant level with implementation of mitigation. Conflicts with local utilities from the siting and construction of BMPs would also be avoided with mitigation. The proposed Project's impacts have been determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. The closest school to the proposed Project site is La Tijera Elementary School (1415 N. La Tijera Boulevard, Inglewood, CA), located approximately 0.6 mile southwest of the Project site; therefore, no schools are within 0.25 mile of the Project site. However, several childcare facilities are in close proximity to the site, including the Children Community Academy (4729 West Slauson Avenue), immediately across the street from the Project site, and playground facilities approximately 800 feet south next to the Ladera Park community room.

The proposed Project would not require the use of hazardous materials or acutely hazardous materials, other than fuel and lubricants associated with operation of typical construction equipment. The County or its contractor would have an approved Spill Prevention Countermeasure and Control Plan, which is a standard BMP and would be required as a special provision in all construction contracts, to address any releases that may occur during construction or operation activities. Furthermore, in compliance with applicable laws and regulations, PMM HAZ-1 (see text in Part (a) above), requires preparation of a BMP Maintenance Plan to identify the frequency and procedures for removing and replacing accumulated debris, surface soils, and/or media to ensure constituent concentrations do not represent a hazardous condition or have the potential to migrate further and impact groundwater. In addition, the school site is located at a higher elevation than the proposed Project, such that any spills would not be transported to the school site. Air quality emissions are discussed above in Section III (Air Quality). Therefore, the proposed Project would not

emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste that could impact schools or daycare facilities in the local area.

The PEIR concluded that individual BMP projects would be required to comply with regulations that would avoid or minimize the potential for releases of hazardous materials, and the potential impacts to nearby schools would be less than significant. As discussed above, the proposed Project would have no impact to schools; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. The proposed Project is not a listed hazardous materials site pursuant Government Code §65962.5 (Cortese List), and none of the proposed improvements would cause the Project site to be listed as a hazardous materials site. However, it is possible there could be an unknown hazardous materials site not yet included in the databases. A review of historical aerial photographs dating back to 1923, show that the Project site has not been developed as anything other than a park (EDR, 2017b).

Considering the number of listed sites identified in the immediate Project area, contaminated soil and/or groundwater could be encountered during excavation posing a health hazard to construction crews, the public, and the environment. As part of the geotechnical work for the proposed Project, laboratory testing of soil samples from the Project site were analyzed for total petroleum hydrocarbons, VOCs, PCBs, and metals. All levels were determined to be below detection levels or at concentrations less than California Human Health Screening Level (Kleinfelder, 2016). As such, no existing contamination is anticipated and impacts would be less than significant.

The PEIR concluded that exposure to hazardous materials could be potentially significant if a BMP were to be located on a hazardous materials site, but implementation of mitigation would reduce this impact to a less-than-significant level. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. Ladera Park is located over 3 miles northeast of Los Angeles International Airport (LAX); therefore, it not located within two miles of a public airport or public use airport. The proposed Project would result in aboveground features that are approximately 5-feet tall (pre-treatment system cabinet and harvest water control cabinet), in addition to vegetation associated with the demonstration garden, which may include trees of a similar height to those currently existing within the park. As such, the proposed Project would not impact public airports.

The PEIR concluded that the location of some structural BMPs, such as detention basins, could increase hazards to aircraft if they attract wildlife on or near airports. The proposed Project was determined to have no impact to an airport. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. Ladera Park is not within the vicinity of a private airstrip. No aviation safety impacts related to private airstrips for people residing or working in the proposed Project area would occur.

The PEIR concluded that none of the proposed structural BMPs would create a significant impact to an airstrip due to the height or glare of the structures. The proposed Project was determined to have no impact to private airstrips. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- g.** The proposed Project includes construction of stormwater capture system within a 6-month construction period. The proposed Project would not cause any changes that would impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Some construction activities would occur within West Slauson Avenue and Ladera Park Avenue, which may result in temporary lane closures or blocking of emergency access. As required by the adopted PMM TRAF-1 (see text below), DPW's Traffic Division would prepare a construction traffic control plan to reduce any impact to emergency access to a less-than-significant level.

PMM TRAF-1: For projects that may affect traffic, implementing agencies shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:

- Develop circulation and detour plans to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.
- To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.
- Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.
- Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.

The PEIR concluded that effects on emergency response from temporary lane or roadway closures and blocked access to driveways could be significant, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- h.** The proposed Project is not located within very high fire hazard severity zone (VHFHSZ) (CAL FIRE, 2011), but is located approximately 0.2 miles south of an open space area that is within a local responsibility area (LRA) designated as a very high fire hazard severity zone (CAL FIRE, 2007). The proposed Project includes construction of a stormwater capture system consisting of mostly belowground components, with the exception of an aboveground water quality monitoring cabinet and harvest water treatment and filtration system control cabinet. Construction and operation of the proposed Project would involve use of heavy equipment with engines and exhaust systems that could get hot enough to ignite dry vegetation, exposing people or structures to significant risk. Adherence to federal and State regulations, such as the requirement of the California Department of Transportation and California Vehicle Code, which require spark arrester protection on vehicles, would reduce the potential to ignite a wildland fire. Furthermore, the County would use best management practices to limit the potential to ignite a fire, such as not allowing personnel to smoke at the Project site. Additionally, fire protection services are located less than one block west at Los Angeles County Fire Station #58 (5757 South Fairfax Avenue). Therefore, the proposed Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires.

The PEIR concluded that effects on wildfire from BMP construction would be reduced to a less-than-significant level with adherence to California Department of Transportation and California Vehicle Code requirements for spark arrestors on vehicles. The proposed Project would adhere to these requirements, and impacts were determined to be less than significant. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

IX. HYDROLOGY AND WATER QUALITY

Would the project:	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation on- or offsite?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or offsite?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. Cause inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Climate and Hydrology. The proposed Project is within the California Climate Zone 8 that is influenced by the Pacific Ocean, resulting in a mild climate. Average temperatures range from mid-50 to mid-70 degrees Fahrenheit (PEC, 2006). The Project is located within the South Coast Hydrologic Region. Average precipitation ranges from 12 to 14 inches (DWR, 2004).

Ladera Park is located within the densely urbanized Ballona Creek Watershed area of Los Angeles County. A hydrology study by Los Angeles County (DPW-WRD, 2015) determined that the total drainage area contributing to Ladera Park is 375.3 acres in area and would produce an 85th percentile storm of 21 cfs with a total volume of 10 acre-feet. Not all of this drainage would contribute to proposed Project facilities. That portion of the Ballona Creek Watershed draining to the proposed Project facilities consists of an area of approximately 110 acres, bounded by Stocker Street to the north, South La Brea Avenue to the west, West Mount Vernon Drive and Overhill

Drive to the east, and West 59th Place to the south, as shown in Figure 2-2. This area produces an 85th percentile storm of 11 cfs with a total volume of 5.1 acre-feet. All drainage in the area is contained in underground storm drains.

Floodplains. The Project site is not within a FEMA designated floodplain. The nearest mapped floodplain is in a portion of the oil field and is located approximately 725 feet north of the Park

Water Quality. The Project area is within the jurisdiction of the LARWQCB. The LARWQCB, under the authority of the SWRCB assesses surface water quality and, under Section 303(d) of the Clean Water Act (CWA), prepares a list of waters (the 303(d) list of water quality limited segments) considered to be impaired. Impairment may result from both point-source and non-point source pollutants. See the regulatory setting below for additional information on the CWA.

Ballona Creek, into which Ladera Park drains, has been identified by the LARWQCB as impaired by varying pollutants, which have been determined to adversely affect the beneficial uses of those waters. Impairments include cadmium, coliform bacteria, copper, cyanide, lead, selenium, toxicity, trash, viruses, and zinc (SWRCB, 2017). Beneficial uses of Ballona creek above National Boulevard include Municipal and Domestic Supply (MUN), Warm Freshwater Habitat (WARM), and Wildlife Habitat (WILD). MUN and WARM are potential beneficial uses. WILD is an existing beneficial use (LARWQCB, 2014).

The SWRCB has developed Ballona Creek TMDLs for trash, toxics, metals, bacteria, and sediment. In addition, Santa Monica Bay TMDLs for marine debris and organic pesticides apply to the Ballona Creek watershed, as a tributary of the Santa Monica Bay. TMDLs are established to develop an implementation plan to achieve water quality standards.

Groundwater. The Project site is over the West Coast Subbasin of the Coastal Plain of Los Angeles Groundwater Basin (DWR, 2004). The West Coast Basin is bounded on the north by the Ballona Escarpment, on the east by the Newport-Inglewood fault zone, and on the south and west by the Pacific Ocean and consolidated rocks of the Palos Verdes Hills (DWR, 2004). Groundwater enters the West Coast Basin largely through underflow from the adjacent Central Basin and over the Newport-Inglewood fault zone (DWR, 2004). Total storage capacity is 6,500,000 acre-feet (DWR, 2004). Groundwater quality is influenced in part by seawater intrusion, but in general groundwater quality is good (DWR, 2004). A USGS study of groundwater quality in the Coastal Los Angeles Basin, of which the West Coast Basin is a part, did not find significant contamination of groundwater within ¼ mile of the Project site (USGS, 2006).

The nearest groundwater wells are located approximately 350 feet east of the site (Kleinfelder, 2016). In 2007, groundwater was approximately 155 to 159 feet below ground surface (bgs) at these wells. Based on this information, the groundwater at the site is approximated to be 150 feet bgs (Kleinfelder, 2016).

Regulatory Setting

Federal Clean Water Act (CWA). Section 303 of the CWA requires states to adopt water quality standards for all surface water of the United States. In 1972, the CWA was amended to provide that the discharge of pollutants to waters of the US from any point source is unlawful unless the discharge is in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. The 1987 amendments to the CWA added Section 402(p), which establishes a framework for regulating municipal and industrial stormwater discharges, including discharges associated with construction activities, under the NPDES program. The SWRCB and the Regional Water Quality Control Boards (RWQCBs) are responsible for ensuring implementation and compliance with the provisions of the federal CWA.

Discharges from point sources are covered under the Industrial General Permit administered by the RWQCB. Discharges from construction activity are covered under the California General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit). Both are described further below under State Regulations.

Section 401 of the CWA requires that any activity that may result in a discharge into waters of the United States be certified by the RWQCB. This certification ensures that the proposed activity not violate State and/or federal water quality standards.

Section 404 of the CWA authorizes the US Army Corps of Engineers to regulate the discharge of dredged or fill material to the waters of the United States and adjacent wetlands. Discharges to waters of the United States must be avoided where possible, and minimized and mitigated where avoidance is not possible. Permits are issued by the US Army Corps of Engineers.

Section 303(d) of the Clean Water Act requires states to assess surface water quality and prepare a list of waters (the 303(d) list of water quality limited segments) considered to be impaired by not meeting water quality standards and not supporting their beneficial uses. Impairment may result from point-source pollutants or non-point source pollutants. The SWRCB, through its nine regional boards, assesses water quality and establishes Total Maximum Daily Load programs for streams, lakes and coastal waters that do not meet water quality standards.

Federal Emergency Management Agency. FEMA administers the National Flood Insurance Program, which subsidizes flood insurance to communities that limit development in floodplains. As part of this program, FEMA maps all United States areas that fall within a 100-year floodplain (i.e., areas with a greater than 1% annual probability of flooding).

Code of Federal Regulations Title 40 Part 146 - Underground Injection Control Program. This program sets forth technical criteria and standards for the Underground Injection Control Program, which includes dry wells. The proposed infiltration wells could be considered Class V injection wells, which are used to drain stormwater runoff into a subsurface formation. Generally, Class V wells inject non-hazardous fluids into or above formations that contain underground sources of drinking water, as is the case for the proposed Project. Requirements include submitting inventory information about the wells to the California Environmental Protection Agency (Cal-EPA) or SWRCB, and prohibitions on contaminating drinking water.

County of Los Angeles Department of Public Works Low Impact Development (LID) Standards. Los Angeles County LID standards included requirements for infiltration wells which include:

- Requirements for a geotechnical investigation to ensure slope stability, proper infiltration, and to prevent groundwater contamination.
- Pretreatment of stormwater.
- Design and maintenance features such as sizing, setbacks, geometry, access, cleaning and inspections.

Porter-Cologne Water Quality Control Act. The SWRCB and the nine RWQCBs have State authority to regulate water quality under the Porter-Cologne Water Quality Control Act (Porter-Cologne) and CCR Title 27 Sections 22560 through 22565. The SWRCB and the RWQCBs have the authority under this act to regulate waste discharge to surface waters or land. In addition, the Porter-Cologne Act establishes a regulatory program to protect water quality and to protect beneficial uses of state waters.

County of Los Angeles General Plan. Applicable goals and policies for local water resources include (County of Los Angeles, 2015):

- **Policy C/NR 5.1:** Support the Low Impact Development philosophy, plan and design public and private development with hydrologic sensitivity, including limits to straightening and channelizing natural flow paths, removal of vegetative cover, compaction of soils, and distribution of naturalistic BMPs at regional, neighborhood, and parcel-level scales.
- **Policy C/NR 5.2:** Require compliance by all County departments with adopted Municipal Separate Storm Sewer System, General Construction, and point source NPDES permits.
- **Policy C/NR 5.6:** Minimize point and non-point source water pollution.
- **Policy C/NR 7.2:** Support the preservation, restoration, and strategic acquisition of available land for open space to preserve watershed uplands, natural streams, drainage paths, wetlands, and rivers, which are necessary for the healthy function of watersheds.

County of Los Angeles Stormwater Pollution Control Requirements for Construction Activities

To comply with the Phase II General Construction Permit, the County of Los Angeles has established a set of BMPs with which all permitted construction activities on unincorporated county lands must comply. The BMPs, which are based on the state's Stormwater Best Management Practices Handbook (Caltrans, 2003), are as follows:

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses, or wind.
 - Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
 - Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
 - Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
 - Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
 - Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
 - Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
 - Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water. The Los Angeles County Department of Public Works may identify and require additional BMPs, as appropriate.
- a. Potential water pollutants could be generated including soil sediment and petroleum-based fuels or lubricants associated with equipment used during Project construction. Project construction would result in temporary excavation and grading. If not properly addressed,

stormwater pollution and erosion may occur, which could affect surface water quality. Impacts to water quality during construction would be minimized through implementation of standard erosion control measures (e.g., silt fence, straw wattles) per the MS4 Permit, and implementation of a Spill Prevention Countermeasure and Control Plan, which is a standard BMP that would be included as a special provision in the construction contract(s).

The proposed Project design includes erosion control features to reduce the potential for water quality impacts, including vegetative cover and drainage features. Site inspections would occur at least annually to maintain proper drainage and identify necessary maintenance for the pump, stormwater system, and pre-treatment system.

Potential water pollutants could be generated by the collection of urban runoff and stormwater prior to injection into the subsurface via infiltration wells. However, the proposed Project design includes features to remove the pollutants prior to injection or use for irrigation, which would substantially reduce this impact. Prior to injection, stormwater would be collected into an underground system for storage and pretreated with a Nutrient Separating Baffle Box with trash separation devices or a continuous deflective separation hydrodynamic separator to remove trash, debris, and sediment. The treated stormwater would then be sent to the infiltration wells for injection into the subsurface. Non-stormwater flows would be treated with filters and UV light to comply with *County of Los Angeles Department of Public Health's Guidelines for Alternate Water Sources: Indoor and Outdoor Non-Potable Uses*, and used to irrigate up to 10,000 square feet within Ladera Park. A real-time monitoring system would be utilized to remotely control the diversion, treatment, and infiltration operations.

PMM HYDRO-2 and HYDRO-3 (below) address water quality by requiring site-specific pre-treatment technologies and data searches of contaminated groundwater (see text below). Site-specific treatment technologies have been incorporated into the proposed Project design. A regulatory database review for the Project site was conducted; it was determined that there are no contaminated groundwater plume or leach fields present or within close proximity to the Project site (PMM HYDRO-3). Furthermore, the geotechnical investigation completed for the proposed Project has adequately addressed the measures identified in PMMs HYDRO-2 and HYDRO-3, ensuring that the proposed Project is in compliance with these measures.

The purpose of the Project is to contribute to compliance with the 2012 MS4 (Municipal Separate Storm Sewer System) Permit for Los Angeles County, which gives Permittees the option of implementing an innovative approach to permit compliance through development of an EWMP which includes this proposed Project. The EWMP projects are intended to improve runoff water quality.

As a result of the above design elements, compliance with PMMs HYDRO-2 and HYDRO-3, the Project purpose to improve water quality, and proper implementation and maintenance, adverse impacts to State and federal groundwater standards/requirements resulting from the operation of the proposed Project is not expected. With proper implementation and maintenance, the potential for the proposed Project to violate any water quality standards or waste discharge requirements would be minimal. This impact would be less than significant. The long-term impact to water quality would be beneficial.

PMM HYDRO-2: Prior to approving an infiltration BMP, the Permittee shall identify pretreatment technologies, type, and depth of filtration media; depth to groundwater; and other design considerations necessary to prevent contaminants from impacting groundwater quality. The design shall consider stormwater quality data within the BMP's

collection area to assess the need and type of treatment and filtration controls. Local design manuals and ordinances requiring minimum separation distance to groundwater shall also be met as part of the design.

PMM HYDRO-3: Prior to the installation of an infiltration BMP, the Permittee shall conduct a regulatory database review for contaminated groundwater sites within a quarter mile of the proposed infiltration facility. The review shall include locations of on-site wastewater treatment systems that could be affected by the BMP. The Permittee shall identify whether any contaminated groundwater plumes or leach fields are present within close proximity to the BMP location that could be affected by infiltrated water and whether coordination with the local and state environmental protection overseeing agency and responsible party is warranted prior to final design of infiltration facility.

The PEIR concluded that the structural BMPs would have no adverse impact to water quality, and implementation of mitigation would ensure compliance with water quality standards and waste discharge requirements. The proposed Project would have a less-than-significant impact associated with water quality standards and discharge requirements with PMMs incorporated, and the overall impact to water quality would be beneficial. No additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project would not involve any withdrawals from an aquifer or groundwater table, and would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge. The proposed Project includes the injection of treated stormwater directly into the ground, which would increase groundwater storage. Because the Project site is above the West Coast Subbasin of the Coastal Plain of Los Angeles Groundwater Basin, the proposed Project would contribute recharge to that basin. PMM GEO-2 would ensure coordination with local groundwater managers to manage groundwater levels. As a result of Project recharge, and PMM GEO-2, this impact is less than significant after mitigation.

PMM GEO-2: Prior to installing BMPs designed to recharge the local groundwater supplies, the Implementing Agency shall notify local groundwater managers, including the Upper Los Angeles River Area Water Master, the Water Replenishment District of Southern California, or the San Gabriel Water Master as well as local water producers such as local municipalities and water companies. The Implementing Agency shall coordinate BMP siting efforts with groundwater managers and producers to mitigate high groundwater levels while increasing local water supplies.

The PEIR concluded that adverse effects from groundwater recharge in areas with limited permeability could be potentially significant if BMPs are inappropriately located or managed, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. The proposed Project builds upon the preexisting site conditions by constructing all aspects of the proposed Project either below grade or within small above ground structures. After installation of the below grade portions of the proposed Project, the site would be returned to existing conditions, with essentially no changes to the existing topography. This would not substantially alter the drainage pattern currently present on site; substantial erosion or siltation

resulting from the alternation of drainage patters would not occur. Additionally, no alteration of the course of a stream or river is proposed.

The PEIR concluded that erosion impacts resulting from the alteration of existing drainage patterns from individual projects would be less than significant. The proposed Project would have less-than-significant impacts on drainage patterns; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. The proposed Project builds upon preexisting site conditions by constructing all aspects of the proposed Project either below grade or within small above ground structures. After installation of the below grade portions of the proposed Project, the site would be returned to existing conditions. This would not substantially alter the drainage pattern currently present on site, such that no increase in the rate or amount of surface runoff would occur. Additionally, no alteration of the course of a stream or river is proposed.

The PEIR concluded that runoff and flooding impacts resulting from the alteration of existing drainage patterns from individual projects would be less than significant. The proposed Project would have less-than-significant impacts on drainage patterns; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. The proposed Project would include a system designed to capture and store stormwater flows within an underground storage chamber. The system is ultimately designed to reduce the amount of runoff water into the existing stormwater system through diversions into the storage chamber and infiltration wells. Site inspections and maintenance would take place at the Project site as needed to minimize potential erosion or siltation impacts. With implementation of Project design features and maintenance of the stormwater capture system, runoff characteristics of the Project would not affect the capacity of planned stormwater drainage systems nor would it provide substantial additional sources of polluted runoff. No impact would occur.

The PEIR concluded that impacts to stormwater drainage systems from individual projects would be less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. The primary benefit of the proposed Project is improved water quality. The centralized underground infiltration system BMP would reduce the amount of bacterial, toxic, and metal pollutants being discharged into Centinela Creek, a tributary of the Ballona Creek; improve water quality and preserve habitat in Centinela Creek, Ballona Creek, and the Santa Monica Bay and assist the County in addressing stormwater permit requirements; as well as achieve water quality objectives for the Project drainage area. As described in the Project Description (Section 2), Project design features as well as site inspections and maintenance would effectively minimize potential erosion or siltation, the primary pollutant anticipated to occur. Through proper implementation, the proposed Project would ultimately improve water quality in the region, and no impact would occur.

The PEIR concluded that the structural BMPs would improve water quality of detained stormwater and reduce potential sources of polluted runoff, thereby having a beneficial effect. The proposed Project would also have a beneficial effect on water quality; therefore, the

proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- g.** The proposed Project is outside the FEMA 100-year flood hazard area (FEMA, 2008) and does not include construction of housing. As such, there would be no impact (i.e. would not place housing in a 100-year hazard area).

The PEIR concluded that the structural BMPs would have no impact related to the placement of housing in a flood hazard area. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- h.** The proposed Project includes mostly buried infrastructure improvements within an existing recreational facility and roadways that are outside the FEMA 100-year flood hazard area (FEMA, 2008). The proposed Project would not redirect or block flood flows.

The PEIR concluded that the construction of structural BMPs within a flood hazard area would have a less-than-significant impact to flood flows. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- i.** There are no levees or dams in the vicinity of or upstream of the proposed Project that could experience failure or cause flooding that would affect the proposed Project. As such, construction and operation of the proposed Project would not result in adverse effects on people or structures from flooding.

The PEIR concluded that the risk to structural BMPs from a levee or dam failure would be less than significant. The proposed Project would have no impact associated with levees or dams; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- j.** The proposed Project is located on flat land approximately six miles off the coast of the Pacific Ocean. There are no nearby lakes. The proposed Project would not be affected by seiche, tsunami, or mudflow. As such, there would be no impact.

The PEIR concluded that the risk to structural BMPs from a seiche, tsunami, or mudflow would be less than significant. The proposed Project would have no impact associated with seiche, tsunami, or mudflow. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

X. LAND USE PLANNING

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Physically divide an established community?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Environmental Setting

The proposed Project would be located in Windsor Hills, which is an unincorporated community within Los Angeles County. The Project site would be subject to the policies and ordinances of the Los Angeles County 2035 General Plan and the County’s Zoning Ordinance (Title 22 of the Los Angeles County Code). No adopted habitat conservation plans are applicable to the Project site or proposed staging areas (DPW, 2015).

- a. A community may be divided if a project were to introduce a physical barrier through that community. The proposed Project would construct and operate an underground stormwater capture system within an existing park, with components of the Project extending into the adjacent streets (i.e., storm drain diversion structure in West Slauson Avenue; infiltration wells along West Slauson Avenue and Ladera Park Avenue). While the proposed Project would require traffic detours and lane closures during the 6-month construction period, none of the proposed Project components would create a permanent barrier that could divide the Windsor Hills community. The proposed Project would not physically divide an established community, and no impact would occur.

The PEIR concluded that the structural BMPs would not physically divide an established community. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. As described above, the proposed Project would be subject to the policies and ordinances of the Los Angeles County 2035 General Plan and the County’s Zoning Ordinance. According to the Department of Regional Planning’s Zoning Map for the Ladera Heights/ Viewpark-Windsor Hills area, the following Project components would be located within Zone R-4 (Medium Density Multiple Residential): splitter box, infiltration well system, and water harvesting system (DRP, 2016). The proposed water monitoring cabinet would be located within Zone C-2 (Neighborhood Business) (DRP, 2016). The County has designed the proposed Project to comply with local zoning codes (DPW, 2015). Further, the County would implement LID features that support implementation of the County’s LID Ordinance, which protects surface and ground water quality within the County’s watersheds (DPW, 2015). Therefore, the proposed Project would not conflict with applicable land use plans, policies, or regulations, and no impact would occur.

The PEIR concluded that each structural BMP would be subject to land use zoning and General Plan designations adopted by the local municipality, and that these BMPs would complement the Los Angeles County's land use goals and policies; no impact related to conflicts with land use plan, policy, or regulation would occur. As described above, the proposed Project would not conflict with applicable County land use plans, policies, or regulations. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. The proposed Project would not be located within a habitat conservation plan or natural community conservation plan (DPW, 2015). No impact would occur.

The PEIR concluded that only one Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP) (within the City of Rancho Palos Verdes NCCP Subarea Plan) has been adopted within the EWMP areas, and BMPs proposed within this HCP/NCCP would be required to comply with the adopted plan. The proposed Project would not be located within the identified HCP/NCCP and would have no impact. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XI. MINERAL RESOURCES

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Mineral resources may include metals such as gold, silver, iron and copper, as well as construction aggregate. The Los Angeles County General Plan defines mineral resources as commercially-viable aggregate or mineral deposits, such as sand, gravel, and other construction aggregate (County of Los Angeles, 2015).

Mineral resource areas are classified by the State of California into Mineral Resource Zones (MRZ). Four zones have been identified depending on whether mineral resources, primarily sand and gravel, are known to be present, or absent, or for which additional information is necessary. The California Department of Conservation indicates that the Project area is classified as MRZ-3, meaning the area may contain deposits the significance of which cannot be evaluated with the available data (County of Los Angeles, 2015). The Los Angeles County General Plan designates the Project site as an area of oil and gas resources (Inglewood Oil Field) (County of Los Angeles, 2015). The nearest MRZ (MRZ-2) is approximately 4.45 miles east of the Project site (County of Los Angeles, 2015).

Regulatory Setting

California Surface Mining and Reclamation Act (SMARA) of 1975 (Public Resources Code, Sections 2710-2796). SMARA provides a comprehensive surface mining and reclamation policy with the regulation of surface mining operations to assure that adverse environmental impacts are minimized and mined lands are reclaimed to a usable condition. SMARA also encourages the production, conservation, and protection of the State’s mineral resources.

Los Angeles County General Plan. The Los Angeles County General Plan (County of Los Angeles, 2015) has multiple goals and policies relevant to mineral resources and this project:

- **Policy C/NR 10.1:** Protect MRZ-2s and access to MRZ-2s from development and discourage incompatible adjacent land uses.
- **Policy C/NR 10.2:** Prior to permitting a use that threatens the potential to extract minerals in an identified Mineral Resource Zone, the County shall prepare a statement specifying its reasons for permitting the proposed use, and shall forward a copy to the State Geologist and the State Mining and Geology Board for review, in accordance with the Public Resources Code, as applicable.
- **Policy C/NR 10.5:** Manage mineral resources in a manner that effectively plans for access to, development and conservation of, mineral resources for existing and future generations.

- **Policy C/NR 10.6:** Require that new non-mining land uses adjacent to existing mining operations be designed to provide a buffer between the new development and the mining operations. The buffer distance shall be based on an evaluation of noise, aesthetics, drainage, operating conditions, biological resources, topography, lighting, traffic, operating hours, and air quality.
 - **Policy C/NR 11.1:** Require mineral resource extraction and production activities and drilling for and production of oil and natural gas to comply with County regulations and state requirements, such as SMARA, and DOGGR regulations.
 - **Policy C/NR 11.2:** Require the reclamation of abandoned surface mines to productive second uses.
 - **Policy C/NR 11.3:** Require appropriate levels of remediation for all publicly-owned oil and natural gas production sites based on possible future uses.
 - **Policy C/NR 11.4:** Require that mineral resource extraction and production operations, as well as activities related to the drilling for and production of oil and natural gas, be conducted to protect other natural resources and prevent excessive grading in hillside areas.
 - **Policy C/NR 11.5:** Encourage and support efforts to increase the safety of oil and gas production and processing activities, including state regulations related to well stimulation techniques such as hydraulic fracturing or “fracking.”
- a. According to the Los Angeles County General Plan 2035 Update Program GP-Net (County of Los Angeles, 2017), the proposed Project is not located within a mapped MRZ as mapped by the State of California Department of Conservation. As there are no known mineral resources located within the proposed Project footprint, the construction and operation of the proposed Project would not result in the loss of availability of mineral resources.

The proposed Project is, however, in an area designated in the Los Angeles County General Plan as an area of oil and gas resources. The proposed Project would not affect the availability of oil and gas resources, and would not create additional restrictions to the access to these resources. For these reasons, this impact is less than significant.

The PEIR concluded that effects on mineral resources from individual BMPs located within a designated MRZ would be less than significant, given that these projects would need to comply with local and County General Plan zoning restrictions. The proposed Project’s impacts were also determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project is located within the boundaries of an area designated in the Los Angeles County General Plan as an area of oil and gas resources. There are no other mapped or known mineral resources located within the proposed Project footprint. The proposed Project would not alter the availability of any mineral resource, including oil resources, that may be beneath the surface. Any mineral resources on the site would remain on the site, and could be exploited in the same manner after implementation of the proposed Project as under the current condition. For these reasons, this impact is less than significant.

The PEIR concluded that effects on oil and gas resources from individual BMPs would be less than significant, given that these projects would need to comply with local and County General Plan zoning restrictions. The proposed Project’s impacts were also determined to be less than

significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XII. NOISE

Would the project:	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Expose persons to or generate excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

General Information on Noise

A brief background on the fundamentals of environmental acoustics is helpful in understanding how humans perceive various sound levels. Although extremely loud noises can cause temporary or permanent damage, the primary environmental impact of noise is annoyance. The objectionable characteristic of noise often refers to its loudness. Loudness represents the intensity of the sound wave, or the amplitude of the sound wave height measured in decibels (dB). Decibels are calculated on a logarithmic scale; thus, a 10-dB increase represents a 10-fold increase in acoustic energy or intensity, while a 20 dB increase represents a 100-fold increase in intensity. Decibels are the preferred measurement of environmental sound because of the direct relationship between a sound’s intensity and the subjective “noisiness” of it. The A-weighted decibel system (dBA) is a convenient sound measurement technique that weights selected frequencies based on how well humans can perceive them.

Noise Effects on Humans. The range of human hearing spans from the minimal threshold of hearing (approximately 3 dBA) to that level of noise that is past the threshold of pain (approximately 120 dBA). In general, human sound perception is such that a change in sound level of 3 dB is just barely noticeable, while a change of 5 dB is clearly noticeable. A change of 10 dB is perceived as a doubling (or halving) of sound level. Noise levels are generally considered low when they are below 45 dBA, moderate in the 45 to 60 dBA range, and high above 60 dBA. Noise levels greater than 85 dBA can cause temporary or permanent hearing loss if exposure is sustained.

Ambient environmental noise levels can be characterized by several different descriptors. Energy Equivalent or Energy Average Level (Leq) describes the average or mean noise level over a specified period of time. Leq provides a useful measure of the impact of fluctuating noise levels on sensitive receptors over a period of time. Other descriptors of noise incorporate a weighting system that accounts for human’s susceptibility to noise irritations at night. Community Noise

Equivalent Level (CNEL) is a measure of cumulative noise exposure over a 24-hour period, where a 5 dB penalty is added to evening hours (7:00 p.m. to 10:00 p.m.) and a 10 dB penalty is added to night hours (10:00 p.m. to 7:00 a.m.). Day/Night Average Noise Level (Ldn) is essentially the same as CNEL, with the exception that the evening penalty is dropped.

Noise Propagation. In air, sound from a point source radiates according to inverse square laws either spherically or hemispherically from the source, depending upon whether the noise source is near a reflecting surface such as the ground. Consequently, sound will decrease at a rate of 6 dB per doubling of distance from a point source. Additional decreases will occur due to sound absorption in the air, interaction with the ground, and shielding by intervening obstacles such as terrain (hills), wall, or buildings. A noise source which is relatively long, such as a constant stream of traffic, is called a line source, and the sound spreads cylindrically, at a rate of 3 dB per doubling of distance.

General Information on Vibration

Vibration from objects in contact with the ground will propagate energy through the ground and can be perceptible by humans and animals in the form of perceptible movement or in the form of rumbling sound caused by the vibration of room surfaces. The latter is described as ground-borne noise. High levels of vibration can result in architectural damage and structural damage depending upon the amplitude of the vibration and the fragileness of the building or structure.

Vibration is an oscillatory motion through a solid medium, in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. When assessing damage potential, vibration is often measured and reported in terms of peak particle velocity (PPV). For evaluating human response, the accepted manner to measure and report vibration is in terms of the root mean square amplitude. Like noise, vibration is normally expressed in terms of decibels (VdB) with a reference velocity of 1×10^{-6} inches per second (in/sec).

Environmental Setting - Noise Environment of the Proposed Project Area

The Project site is generally within the northeast corner of Ladera Park, with elements extending along West Slauson Avenue, which includes commercial, residential, and educational facilities and Ladera Park Avenue, which includes commercial and residential facilities. The dominant noise source is traffic along West Slauson Avenue. To quantify the existing noise conditions of the Project area, short-term (15 minute) noise measurements were taken using a sound level meter Type 1 (3M SoundPro SE/DL-1) at three locations. Figure 3-1 provides the locations where sound measurements were taken. Table 3-9 provides the recorded ambient noise conditions in the proposed Project area. As demonstrated in Table 3-9, the existing average ambient noise levels in the Project area range between 55 and 72 dBA Leq.

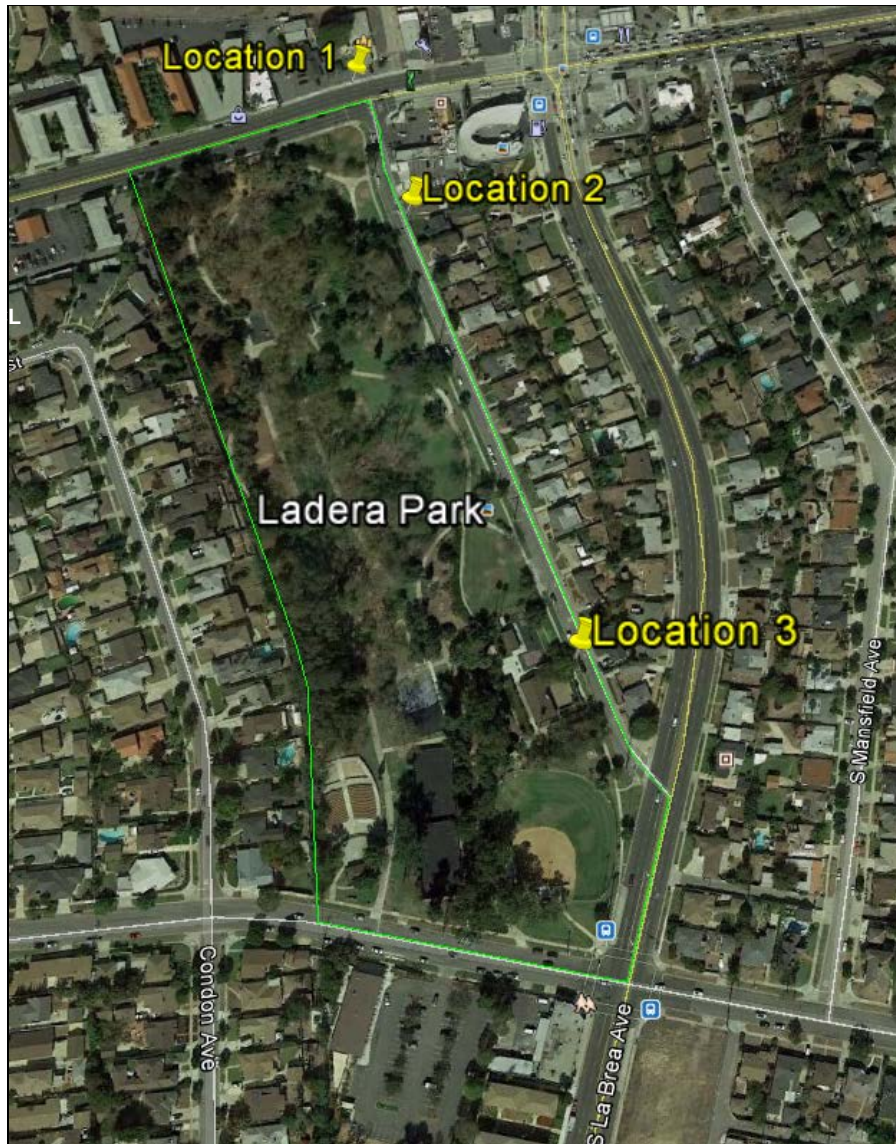


Figure 3-1. Sound Measurement Locations

Sensitive Receptors

Land uses considered to be noise sensitive generally include residential, educational and health facilities, research institutions, certain recreational and entertainment facilities (typically, indoor theaters and parks for passive activities), and churches. The closest sensitive receptors to the Project site include recreationists within Ladera Park; residences immediately across the street; students at the Children Community Academy, located immediately north across West Slauson Avenue from the Project site; and the Calvary Chapel Inglewood (6201 South La Brea, Los Angeles, CA 90056), located at the south end of Ladera Park.

Table 3-9. Ambient Noise Levels Representative of the Project Area

Location	Time & Duration	Leq	Lmax	Lmin	Noted Sources
1: 4729 Slauson Ave. Children Community Academy (CCA)	12:10 p.m. 15 min.	72.2	91.1	52.2	Traffic along Slauson Ave. (maximum caused by car with modified/bad muffler), outdoor activities at CCA (children playing, instructors talking)
2: 5820 Ladera Park Ave. – closest residence to proposed Project	12:28 p.m. 15 min.	56.4	68.2	49.4	Traffic along Ladera Park Ave., people getting in/out of cars parked along the street, background traffic noise from Slauson Ave.
3: In front of community rooms/playground across from 6026 Ladera park Ave.	12:54 p.m. 15 min.	54.7	71.5	44.9	Traffic along Ladera Park Ave. and background traffic noise from La Brea Ave.

Source: Aspen, 2017.

Notes: All measurements are in dBA and were taken on August 2, 2017.

Regulatory Setting

The proposed Project is located within Los Angeles County. Limitation on noise from construction and operation are dictated in the Los Angeles County Code of Ordinances, Title 12 – Environmental Protection, Chapter 12.08 – Noise Control (County of Los Angeles, 1987).

Construction. Noise Ordinance Section 12.08.440, Construction Noise, prohibits the operation of any tools or equipment used in construction, drilling, repair, alteration or demolition work between weekday hours of 7:00 p.m. and 7:00 a.m., or anytime on Sundays or holidays, if the sound creates a noise disturbance across a residential or commercial real-property line, except for emergency work of public service utilities or by variance issued by the health officer. The maximum noise during construction at residential structures shall not exceed the levels listed in Table 3-10. For business structures, the mobile equipment limit is 85 dBA daily, including Sunday and legal holidays (County of Los Angeles, 1987).

Table 3-10. Residential Structure Construction Noise Limits

Equipment Type	Single-Family Residential	Multi-Family Residential	Semiresidential / Commercial
Mobile Equipment ¹			
Daytime (7 a.m. – 8 p.m.), except Sun. & holidays	75 dBA	80 dBA	85 dBA
Nighttime (8 p.m. – 7 a.m.), all day Sun. & holidays	60 dBA	64 dBA	70 dBA
Stationary Equipment			
Daytime (7 a.m. – 8 p.m.), except Sun. & holidays	60 dBA	65 dBA	70 dBA
Nighttime (8 p.m. – 7 a.m.), all day Sun. & holidays	50 dBA	55 dBA	60 dBA

Source: County of Los Angeles, 1987.

1 – Mobile Equipment. Maximum noise levels for nonscheduled, intermittent, short-term operation (less than 10 days) of mobile equipment.

2 – Stationary Equipment. Maximum noise level for repetitively scheduled and relatively long-term operation (periods of 10 days or more) of stationary equipment.

Section 12.08.440, Part C, states that all mobile or stationary internal-combustion-engine powered equipment or machinery shall be equipped with suitable exhaust and air-intake silencers in proper working order. Additionally, Section 12.08.510 – Stationary nonemergency signaling devices, states that the sounding or permitting the sounding of any electronically amplified signal from any stationary bell, chime, siren, whistle, or similar device intended primarily for

nonemergency purposes, from any place, for more than 10 consecutive seconds in any hourly period is prohibited. Warning devices necessary for the protection of public safety are exempted (Section 12.08.570).

However, exemptions to the noise ordinance are described under Section 12.08.570. Per Section 12.09.570, Part H, public health and safety activities are exempt, including all transportation, flood control, and utility company maintenance and construction operations at any time on public right-of-way, and those situations which may occur on private real property deemed necessary to serve the best interest of the public and to protect the public's health and well-being, including but not limited to street sweeping, debris and limb removal, removal of downed wires, restoring electrical service, repairing traffic signals, unplugging sewers, snow removal, house moving, vacuuming catchbasins, removal of damaged poles and vehicles, repair of water hydrants and mains, gas lines, oil lines, sewers, etc. The proposed Project, would therefore be exempt from the County's noise ordinances.

Vibration. Los Angeles County Code of Ordinances Section 12.08.560 – Vibration, prohibits the operation of any device that creates vibration that is above the vibration perception threshold of any individual at or beyond the property boundary of the source if on private property, or at 150 feet from the source if on a public space or public right-of-way. The perception threshold is stated as a motion velocity of 0.01 in/sec over the range of 1 to 100 Hertz.

As documented in the PEIR, the thresholds for groundborne vibration are based on guidelines developed by the California Department of Transportation (CalTrans) in the “Transportation and Construction Vibration Guidance Manual” (September 2013). Tables 3-11 and 3-12 present the thresholds applied to the proposed Project. Transient sources include a single isolated event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, vibratory pile drivers, and vibratory compaction equipment.

Structures and Condition	Maximum Peak Particle Velocity (PPV) (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: CalTrans, 2013 – Table 19.

	Maximum Peak Particle Velocity (PPV) (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Human Response		
Barely perceptible	0.04	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible (begin to annoy people)	0.9	0.10
Severe	2.0	0.4

Source: CalTrans, 2013 – Table 20.

Operation. Noise Ordinance Section 12.08.390 provides the exterior noise standards that shall apply to all receptor properties within a designated noise zone, as shown in Table 3-13.

Noise Zone	Land Use (Receptor Property)	Time Interval	Exterior Noise Level (dB)
I	Noise-sensitive area	Anytime	45
II	Residential properties	Nighttime (10 p.m. – 7 a.m.) Daytime (7 a.m. – 10 p.m.)	45 50
III	Commercial properties	Nighttime (10 p.m. – 7 a.m.) Daytime (7 a.m. – 10 p.m.)	55 60
IV	Industrial properties	Anytime	70

Source: County of Los Angeles, 1987.

Additional cumulative noise limits are identified in Section 12.08.390, Part B of the County ordinance (County of Los Angeles, 1987).

- a. Construction of the proposed Project would occur Monday through Friday, from 7:00 a.m. to 4:30 p.m., during the 6-month construction period. Therefore, the days and hours of construction would comply with the requirements of Noise Ordinance Section 12.08.440.

Construction activities have the potential to temporarily increase noise levels in the Project area. There would be intermittent high-noise levels throughout construction. Noise levels would fluctuate depending on the construction activity, equipment type, duration of use, and the distance between the noise source and receiver. Table 3-14 provides the estimated noise levels of construction equipment, similar to what may be required to construct the proposed Project based on the Federal Highway Administration (FHWA) Roadway Construction Noise Model. Equipment and operation noise levels in this inventory are expressed in terms of L_{max} noise levels and are accompanied by a usage factor value to assume for modeling purposes. The usage factor estimates the fraction of time each piece of construction equipment is operating at full power (i.e., its loudest condition) during construction operations.

Equipment	Acoustical Usage Factor (%)	Measured Lmax, dBA (at 50 feet)	Average Noise Level, dBA Leq (at 50 feet)*
Backhoe	40	78	74
Crane	16	81	73
Dozer	40	82	78
Drill Rig Truck	20	79	72
Dump Truck	40	76	73
Excavator	40	81	77
Flat Bed Truck	40	74	70
Paver	50	77	74
Pickup Truck	40	75	71
Roller	20	80	73
Vacuum Street Sweeper	40	85	72

Source: FHWA, 2006.

Notes: Lmax – maximum A-weighted sound level (dBA, slow).

*Average noise levels calculated from the maximum noise levels using the usage factors.

As shown in Table 3-14, maximum noise levels associated with these individual pieces of equipment range from 74 to 85 dBA Lmax at 50 feet. Intermittent temporary noise levels at construction staging areas both within Ladera Park and outside the Project site would also likely generate similar intermittent levels. These maximum construction-related noise levels would attenuate at an average rate of 6 dBA every doubling of distance for stationary sources depending on adjacent surfaces and noise spreading (FHWA, 2006). The nearest residential receptor to the Project work areas would be approximately 80 feet away. At 80 feet, peak unmitigated noise levels would intermittently range between approximately 70 to 81 dBA Lmax. Intermittent temporary noise levels at the work areas would also likely generate similar intermittent levels or slightly higher if more than one piece of equipment is operating at a given time.

For the infiltration wells along the street, each location would be impacted for approximately four days (time it takes to install a single well in its entirety), such that the mobile equipment construction noise limit of 75 dBA (7 a.m. – 8 p.m.) for single-family residences could be applied (see Table 3-10). Treating the main Project site within Ladera Park as stationary equipment (6-month timeframe) would result in a construction noise limit of 60 dBA (7 a.m. – 8 p.m.) for single-family residences (see Table 3-10). Along West Slauson, where it is semi-residential/commercial, these noise limits would increase to 70 dBA.

Implementation of PMM NOISE-1 (below) would reduce construction noise levels.

PMM NOISE-1: The implementing agencies shall implement the following measures during construction, as needed:

- Include design measure necessary to reduce the construction noise levels, including noise barriers, curtains, or shields.
- Place noise-generating construction activities (e.g., operation of compressors and generators, cement mixing, general truck idling) as far as possible from the nearest noise-sensitive land uses.

- Locate stationary construction noise sources as far from adjacent noise-sensitive receptors as possible.
- If construction occurs near a school, the construction contractor shall coordinate with the school administration to limit disturbance to the campus. Efforts to limit construction activities to non-school days shall be encouraged.
- For the centralized and regional BMP projects (i.e., proposed Project) located adjacent to noise-sensitive land uses (schools, residences), identify a liaison for these off-site sensitive receptors, such as residents and property owners, to contact with concerns regarding construction noise and vibration. The liaison's telephone number(s) shall be prominently displayed at construction locations.
- For the centralized and regional BMP projects located adjacent to noise-sensitive land uses, notify in writing all landowners and occupants of properties adjacent to the construction area of the anticipated construction schedule at least two weeks prior to groundbreaking.

Due to the location of the proposed infiltration wells to residences and a daycare/pre-school, it is unlikely that construction equipment could be located farther away from adjacent noise-sensitive receptors or limited to non-school days. Use of noise barriers, such as mobile soundproof panels can provide a reduction of up to 12 dB or more, and use of sonic curtains have been lab-tested to provide 26 dB reduction (flexshield.com.au). Use of temporary perimeter sound walls can reduce noise levels 15 to 22 dBA (www.drillingnoisecontrol.com). With adherence to the measures contained within PMM NOISE-1, peak intermittent noise levels should be reduced at the nearest residences and daycare/pre-school to comply with the construction noise performance standards defined in Noise Ordinance Section 12.08.440 (and presented in Table 3-10 for single- and multi-family residences). However, it is possible noise levels could continue to exceed the local noise ordinance slightly resulting in a significant, unavoidable impact.

For operations, the proposed Project includes two small pumps (3-4 gallons per minute, each) installed underground to facilitate irrigation. As shown in Table 3-13, the most stringent (nighttime) exterior noise limit is 45 dB for residential properties (Noise Zones I and II). The proposed pumps would be placed underground, reducing the spread of noise such that operational impacts would be less than significant.

The PEIR concluded that noise effects from construction of individual projects could exceed local noise standards under certain scenarios (e.g. where established numerical noise standards for construction noise levels cannot be achieved), even with implementation of mitigation measures, resulting in a significant and unavoidable impact. Operational noise levels would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's construction impacts were determined to be significant and unavoidable; operational noise impacts were determined to be less than significant. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** Vibration-sensitive land uses include high-precision manufacturing facilities or research facilities with optical and electron microscopes. None of these occur in the Project area. Therefore, the significance threshold for "excessive groundborne vibration" depends on whether a nuisance, annoyance, or physical damage to any structure could occur.

California Department of Transportation (Caltrans) guidance (see Table 3-11) states the vibration damage potential threshold for continuous/frequent intermittent sources (e.g., vibratory compaction equipment) is 0.3 in/sec PPV for older residential structures and 0.5

in/sec for new residential structures. With respect to vibration annoyance potential, maximum PPV of 0.01 in/sec is barely perceptible, 0.04 is distinctly perceptible, 0.10 is strongly perceptible (begin to annoy people), and 0.4 would result in a severe human response (see Table 3-12). As described in Section 2.4.5 (Construction), construction equipment would include use of cranes, drill rig, backhoe, excavator, roller, and various trucks that would generate ground-borne vibration. Operation of a vibratory roller would result in construction vibration levels of 0.210 in/sec PPV at 25 feet (FTA, 2006 – Table 12-2). Loaded trucks result in vibration levels of 0.076 in/sec PPV at 25 feet. These vibration levels would be below the vibration damage potential threshold for older residential structures (0.3 in/sec PPV), and with residences located 80 feet away would be on the order of 0.037 in/sec PPV (vibratory roller), which would be moderately perceptible, but not excessive. Therefore, the proposed Project impacts on exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels would be less than significant.

The PEIR concluded that vibration impacts from individual projects would be less than significant. The proposed Project would also have a less-than-significant impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. As discussed above in Section XII(a), the proposed Project includes two small pumps (3-4 gallons per minute, each) installed underground to facilitate irrigation, thereby reducing the spread of noise. Additionally, maintenance and repairs would only occur intermittently. As such, implementation of the proposed Project would not result in a substantial permanent increase in ambient noise levels in the Project vicinity and less-than-significant impacts would occur.

The PEIR concluded that ambient noise levels from the long-term operation of irrigation pump stations could be potentially significant, but would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. As discussed under Section XII(a), the nearest residential receptor to the Project work areas would be approximately 80 feet away. At 80 feet, peak unmitigated noise levels would intermittently range between approximately 70 to 81 dBA Lmax. Intermittent temporary noise levels at the work areas would also likely generate similar intermittent levels or slightly higher if more than one piece of equipment is operating at a given time. These construction noise levels would be substantially greater than recorded ambient daytime levels presented in Table 3-9. With implementation of measures identified in PMM NOISE-1 (see text in Part (a) above), predicted noise levels are anticipated to be consistent with general construction noise (not prolonged or unnatural or unusual in their use, time, or place as to cause physical discomfort to local receptors). As such, potential impacts related to substantial temporary or periodic increases in ambient noise levels would be less than significant.

The PEIR concluded that temporary ambient noise levels may be significant if a structural BMP were to be located within 25 feet of an existing noise-sensitive land use. The proposed Project is not located within 25 feet of any noise-sensitive land uses, and was found to have less-than-significant construction noise impacts with PMMs incorporated; no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. The Project site is not located within an airport land use plan or within two miles of a public airport or public use airport. Therefore, the Project would not expose the construction workers to excessive noise levels associated with airport operations, and no impact would occur.

The PEIR concluded that the structural BMPs would not expose people to excessive airport-related noise levels; the impact is less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. The Project site is not located in the vicinity of a private airstrip, and would not expose the construction workers to excessive noise levels associated with airstrip operations. No impact would occur.

The PEIR concluded that the structural BMPs would not expose people to excessive noise levels associated with an airstrip; the impact is less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XIII. POPULATION AND HOUSING

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The population and housing study area for the proposed Project includes the Windsor Hills community, the City of Los Angeles, and Angeles County. Table 3-15 provides US Census Bureau data for population, housing, and for these geographic areas.

Location	Population	Housing Units		Employment ²	
		Total Units	Vacancy Rate	Total Employed	In Construction Trades
Ladera Heights CDP ¹	7,509	3,074	5.4%	3,521	32
City of Los Angeles	3,900,794	1,436,543	6.5%	1,868,068	114,046
Los Angeles County	10,038,388	3,476,718	6.1%	4,635,465	264,911

Source: U.S. Census Bureau, 2015

1 – Census Designated Place (CDP) is a concentration of population identified by the United States Census Bureau for statistical purposes. CDPs are delineated for each decennial census as the statistical counterparts of incorporated places, such as cities, towns, and villages.

2 – Civilians employed, 16 years of age or over.

The proposed Project includes a stormwater capture system designed to capture and treat urban runoff and stormwater. It would not construct additional housing units, nor would it remove any existing housing units from the available supply.

- a. Construction activities resulting from Project implementation would be considered short-term and temporary (6-month construction period). Los Angeles County contains a considerable construction workforce (264,911 paid employees in construction). The proposed Project would require approximately 15 to 20 personnel at peak construction periods, with less personnel needed for most construction work days. It is assumed that these construction personnel would come from within Los Angeles County or adjacent areas and would not generate a permanent increase in population levels or decrease available housing. No impacts to existing or future population growth levels would occur from construction of the proposed Project.

The proposed Project would not include the construction of new homes or businesses that would introduce a new population to the area. The proposed Project would also not indirectly introduce new housing or population to the area with the construction of the proposed stormwater capture system.

In addition, operation of the proposed Project would not require new employees. As noted in the Project Description, operation of the proposed Project would be completed via real-time control systems. Maintenance of the proposed facility would be completed by existing County personnel. Because no new homes or businesses would be constructed and the proposed Project would not require workers to relocate from outside the area, the proposed Project would generate no direct increase in the permanent population of the area.

The PEIR concluded that the structural BMPs would not impact population growth. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** The proposed Project would not remove existing housing units from the available supply in the region. As no housing is being removed, no displacement could occur which could otherwise require the construction of replacement housing. As such, there would be no impact.

The PEIR concluded that the structural BMPs would not impact housing or necessitate construction of additional housing. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c.** As discussed above, the proposed Project would not remove any existing housing units or displace any current or future residents. The proposed Project would not result in new housing or removal of existing housing in the Project area. Therefore, the Project would have no impact on displacement of persons or the need for replacement housing.

The PEIR concluded that the structural BMPs would not displace any housing or people. The proposed Project would also have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XIV. PUBLIC SERVICES

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a) Fire protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

Fire protection in the region is provided by the Los Angeles County Fire Department (LACFD). The nearest fire station to the Project site is LACFD Station #58, which is less than one block west of the Project site (5757 South Fairfax Avenue, Los Angeles). The LACFD consists of 22 battalions operating out of 173 fire stations. In 2016, LACFD responded to a total of 379,234 incidents, 317,781 of which were requests for emergency medical services (LACFD, 2017).

The Los Angeles County Sheriff’s Department (LACSD) provides law enforcement services to the County’s unincorporated communities as well as to 40 contract cities (LACSD, 2017a). The Project area is served by the Marina del Rey Station (13851 Fiji Way, Marina del Rey), approximately five miles west of the Project site (LACSD, 2017b; Google Earth, 2017).

One school is located in close proximity to the Project site. Children Community Academy is a preschool and daycare that is immediately north of the Project site (4729 West Slauson Avenue), approximately 50 feet from the proposed diversion structure. Access to the school is via West Slauson Avenue.

The Project site would include the northeast corner of Ladera Park, which is a popular recreation site for the communities of Ladera Heights, View Park, and Windsor Hills (DPR, 2017). Amenities within Ladera Park include a community recreation center, senior center, restrooms, baseball/softball field, basketball court, tennis courts, picnic areas, outdoor amphitheater, and children’s play areas (DPR, 2017). Community programs for youth, adults, and seniors are offered at the community and senior centers throughout the year.

- a. The proposed Project is designed to improve water quality in the Project’s drainage area by constructing a centralized stormwater capture system. Construction and operation of the proposed Project would not affect the area’s population, and as such the Project would not create a need for new or altered fire protection facilities. However, temporary lane closures and traffic detours along West Slauson Avenue and Ladera Park Avenue could adversely affect emergency service and response times during Project construction. Potential impacts to fire protection would be reduced through implementation of adopted PMM PS-1 (see text below), which requires the County to provide reasonable advance notice to service providers such as fire, police, and emergency medical services as well as to local businesses, homeowners, and other residents adjacent to and within areas potentially affected by a proposed Project about the nature, extent, and duration of construction activities (DPW, 2015). Interim updates would be provided to inform service providers and adjacent land uses of the status of the construction activities (DPW, 2015). Therefore, the proposed Project would

have a less-than-significant impact after mitigation on fire protection services and would not require the need for an increase in services to the Project area.

PMM PS-1: The Permittee implementing the EWMP project shall provide reasonable advance notification to service providers such as fire, police, and emergency medical services as well as to local businesses, homeowners, and other residents adjacent to and within areas potentially affected by the proposed EWMP project about the nature, extent, and duration of construction activities. Interim updates should be provided to inform them of the status of the construction activities.

The PEIR concluded that individual BMP projects could potentially disrupt the provision of fire services during construction activities, but impacts would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were determined to be less than significant with PMMs incorporated; no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. As discussed under Section XIV(a), construction and operation of the proposed Project would not affect the area's population, and as such the proposed Project would not create a need for new or altered police or sheriff facilities. The proposed Project does not include any structures that would require police protection services. Any needed security would be part of the design of the system. Therefore, the proposed Project would have a less-than-significant impact on police or sheriff protection services and would not require the need for an increase in services to the Project area.

The PEIR concluded that the structural BMPs would not significantly affect police protection services. The proposed Project would also have a less-than-significant impact. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. As discussed under Section XIV(a), construction and operation of the proposed Project would not affect the area's population, and as such the proposed Project would not create a need for new or altered school facilities. Impacts related to access of the school during construction (i.e., performance of the circulation system) are addressed under Transportation and Traffic, Section XVI(a).

The PEIR concluded that for structural BMPs located on school sites, construction activities would not significantly affect the operation of existing school facilities; new or physically altered facilities would not be required and impacts are less than significant. The proposed Project would not significantly affect school operations or create a need for new or altered school facilities. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. Ladera Park would remain open during the approximate 6-month construction period, with only the active construction area in the northeast portion of the Park being fenced off thereby maintaining Park accessibility. Construction personnel would park along Ladera Park Avenue and West Slauson Avenue, and would not utilize the Park's parking lot. Additionally, the majority of construction staging would occur outside of the Park. As such, construction impacts to Ladera Park would be short-term and would not prevent use of the Park's developed recreational facilities. The majority of the proposed Project elements within the Park would be placed underground, with the exception of a water harvesting system control cabinet that would be located in the northwest corner of the Project site, as well as the demonstration

garden. The demonstration garden would improve the recreational experience at the Park by replacing an underused grassy area with additional Park amenities (e.g., shade structure, walking paths, public seating). Additional modifications include removing and replacing the existing Park sign and trees within the Project site, which would constitute a minor change to the Park. No new Park facilities would be needed to accommodate the proposed Project. Impacts to parks would be less than significant.

The PEIR concluded that the structural BMPs would not significantly affect existing parks or recreational facilities. The proposed Project would also have a less-than-significant impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. Construction and operation of the proposed Project would not affect the area's population, and thus would not increase the demand for other public facilities. Further, there are no additional public facilities located within the Project area, other than those discussed in Section XIV(a) through (d) above, that could be negatively affected by the construction or operation of the proposed Project. The proposed Project would not impact other existing public facilities, nor require the construction of new public facilities.

The PEIR concluded that structural BMPs would not result in the construction or expansion of recreational facilities, and no significant impacts would occur. The proposed Project would not impact public facilities or require the construction of new public facilities. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XV. RECREATION

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The proposed Project would be located at the northeast corner of Ladera Park, a 15.84-acre property managed by DPR. The Park includes many amenities that are utilized by the surrounding community, which include a community recreation center, senior center, restrooms, baseball/softball field, basketball court, tennis courts, picnic areas, outdoor amphitheater, and children’s play areas (DPR, 2017).

- a. During the approximate 6-month construction period, Ladera Park would remain open to the public. The active construction area in the northeast portion of the Park would be fenced off for public safety, while all developed recreational facilities and amenities would be accessible. Construction personnel would park along Ladera Park Avenue and West Slauson Avenue and would not utilize the Park’s parking lot. As such, construction impacts to Ladera Park would be short-term and would not prevent use of the Park’s developed recreational facilities.

One of the County’s proposed construction staging areas includes the overflow dirt parking area across from the Yvonne B. Burke Sports Complex Baseball Fields, within the Kenneth Hahn State Recreation Area. The State Recreation Area is managed by DPR. The proposed Project would use the northern half of the overflow parking area (approximately 0.6 acres) for construction staging. None of the construction staging activities would affect the developed parking lots at the baseball fields or at other locations within the State Recreation Area. The County has coordinated use of the overflow parking area with DPR to minimize the temporary impact on overflow parking, including limiting use to the north end of the lot, keeping equipment inside a fenced area, and limiting operating hours to 7:00 a.m. to 4:30 pm. Monday through Friday (no use of staging area on weekends). Impacts to overflow parking at the baseball fields would be short-term and less than significant.

The PEIR concluded that the structural BMPs would not significantly affect existing recreational facilities. The proposed Project would also have a less-than-significant impact. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The proposed Project involves construction of an underground stormwater capture system that would be primarily limited to a corner of Ladera Park. Following construction, recreational aesthetic enhancements would be incorporated into the Park within the Project’s footprint, which include a demonstration garden with LID features. No expansion to the Park would occur as a result of Project construction or operation, and proposed enhancements within the Park would improve its visual character. Proposed enhancements within Ladera Park would not create an adverse physical effect on the environment, and no impact would occur.

The PEIR concluded that structural BMPs would not result in the construction or expansion of recreational facilities, and no significant impacts to the physical environment would occur. As discussed above, the proposed Project would not adversely affect the physical environment surrounding Ladera Park. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XVI. TRANSPORTATION AND TRAFFIC

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Result in inadequate emergency access?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The proposed Project would be located within Ladera Park, which is a 15.84-acre park located at 6027 Ladera Park Avenue, Windsor Hills in the unincorporated area of Los Angeles County, as shown in Figure 2-1. Regional access to the Project site and proposed staging area would primarily occur via La Brea Avenue and West Slauson Avenue, which connect to Interstate 405 (I-405) and Interstate 10 (I-10). Local roadways directly accessing the Project site include West Slauson Avenue and Ladera Park Avenue, with South Fairfax Avenue being utilized to access the proposed staging area. Temporary construction activities would directly affect the following street segments:

- West Slauson Avenue (between La Brea Avenue and west of Ladera Park Avenue): 6-lane divided (turn lane) primary roadway providing east-west access through Ladera Heights and View Park-Windsor Hills.
- Ladera Park Avenue (between West Slauson Avenue and La Brea Avenue): 2-lane one-way (southbound) local roadway providing access to residences and Ladera Park.
- South Fairfax Avenue (between West Slauson Avenue and Stocker Street): 2-lane roadway provided north-south access to Yvonne B. Burke Sports Complex Baseball Fields.
- South La Brea Avenue (between Ladera Park Avenue and West Slauson Avenue): 4-lane divided (turn lane) primary roadway providing north-south access.

Project Trips

For the purposes of this discussion, a trip is a one-direction trip to or from the Project site and/or staging area. During the 6-month construction period, workers would drive to and from the site or

staging area each day. Trips would also be generated during construction for delivery/removal of equipment and materials. To evaluate a worst-case scenario for this assessment, a maximum number of 96 daily one-way trips may occur during peak construction (48 passenger vehicles and 48 truck trips). These maximum daily trip assumptions are consistent with air quality emission estimates generated for the proposed Project (see Appendix E).

Operations and maintenance (O&M) activities would require a limited number of personnel and trips per year. To evaluate a worst-case scenario for this assessment, a maximum number of 20 daily trips may occur during O&M (10 passenger vehicles and 10 truck trips), with these trips anticipated to only occur for several days per year. O&M trips would utilize the same local roadways as construction trips.

- a. Based on the worst-case number of trips generated by construction and O&M activities provided above, these minor temporary increases to daily traffic volumes along the affected roadways providing access to work areas (construction would only last approximately 6 months, with maximum construction traffic only occurring periodically during this period), temporary construction and O&M-related trips are not considered to significantly decrease capacity levels over existing conditions on any utilized roadways.

Construction of the proposed Project would temporarily interfere with existing traffic flows on West Slauson Avenue, Ladera Park Avenue, South Fairfax Avenue, and South La Brea Avenue during the work day (Monday through Friday from 7:00 a.m. to 4:30 p.m., during the 6-month construction period). In order to avoid peak traffic along West Slauson Avenue, construction of the diversion structure and manholes would be scheduled between 9:00 a.m. and 3:00 p.m. During construction, temporary impacts would occur from traffic disruptions and lane blockages within and adjacent to affected roadway segments of West Slauson Avenue and Ladera Park Avenue. Impacts to South Fairfax Avenue and South La Brea Avenue would be limited to traffic disruptions, as workers, materials and equipment are delivered to the Project site and proposed staging area.

Traffic control plans would be prepared by DPW's Traffic Division, during the final design phase, as required by PMM TRAF-1 (see text below). Community meetings will be conducted to discuss the impacts of lane closures and potential traffic detours with the nearby residents and businesses. DPW will also coordinate with the County Department of Parks and Recreation and County Traffic and Lighting Division to minimize traffic impacts on park operations and the neighboring community. Adherence to adopted PMM TRAF-1 would ensure temporary roadway and traffic flow disruptions during proposed Project construction would not conflict with any applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system. Impacts would be less than significant.

PMM TRAF-1: For projects that may affect traffic, implementing agencies shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:

- Develop circulation and detour plans to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.
- To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.
- Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.

- Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.

The PEIR concluded that construction traffic associated with structural BMPs would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were also determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b.** Regional access to the general Project area is provided by I-405 and I-10. These freeways are under the jurisdiction of the Caltrans and part of the Los Angeles Area Congestion Management Plan freeway network. The Caltrans "Guide for the Preparation of Traffic Impact Studies" (Caltrans, 2002) is the current guideline to determine when a traffic study for a freeway is required. Project trip volumes that trigger the need for a Traffic Impact Study are as follows:
1. Over 100 peak hour trips assigned to a State highway facility
 2. 50 to 100 peak hour trips assigned to a State highway facility, and, affected State highway facilities are experiencing noticeable delay; approaching unstable traffic flow conditions (level-of-service [LOS] "C" or "D").
 3. 1 to 49 peak hour trips assigned to a State highway facility; the following are examples that may require a full Traffic Impact Study or some lesser analysis:
 - a. Affected State highway facilities experiencing significant delay; unstable or forced traffic flow conditions (LOS "E" or "F").
 - b. The potential risk for a traffic incident is significantly increased (i.e., congestion related collisions, non-standard sight distance considerations, increase in traffic conflict points, etc.).
 - c. Change in local circulation networks that impact a State highway facility (i.e., direct access to State highway facility, a non-standard highway geometric design, etc.).

As discussed above, the proposed Project would not generate trip volumes during construction or operation that would exceed these thresholds. Project-related truck trips would be spread out throughout the work day, which would reduce peak hour trips to below the thresholds identified above. Additionally, Caltrans practice is typically not to analyze small trip volumes or short duration construction trip volumes. Given the low volume of Project-related trips and the short duration of the construction and O&M periods, no impacts to the local freeway network are anticipated. Therefore, the proposed Project would not conflict with an applicable congestion management program, including, but not limited to level-of-service standards and travel-demand measures, or other standards established by the County congestion management agency for designated freeways.

The PEIR concluded that traffic safety hazards for vehicles, bicyclists, and pedestrians from individual projects would be less than significant. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c.** The proposed Project would not use large cranes (those exceeding 200 feet in height or more that could trigger Federal Aviation Administration airspace safety review) or helicopters for the delivery, installation, or removal of materials. In addition, the proposed Project does not include any new structures or features that could pose a hazard to airspace navigation.

Therefore, the proposed Project would not result in changes to air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks.

The PEIR concluded that construction and operation of individual projects would not affect air traffic patterns. The proposed Project would have no impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. The proposed Project does not include any new public roads or permanent changes to roadway features, with the exception of adding manholes along Slauson Avenue and Ladera Park Avenue. Construction of proposed Project would temporarily impact Slauson Avenue and Ladera Park Avenue due to temporary lane closures/blockages, detours, construction vehicle ingress/egress, and/or construction activities that could potentially increase hazards to motorists, bicyclists, and pedestrians. In addition, the proposed Project would affect small sidewalk sections, pedestrian crosswalks, and roadway shoulders that may be used by bicyclists along the affected roadway segments (Note: There are no dedicated bike lanes along West Slauson Ave. and Ladera Park Ave.). These conflicts would result in safety risks; however, the impacts would be less than significant with adherence to PMM TRAF-1 (see text in Part (a) above), which requires preparation of a Construction Traffic Control Plan. PMM TRAF-1 is proposed to reduce potential impacts to the circulation system along impacted street segments. Impacts to the circulation network related to hazards from temporary lane closure and intersection disruptions would be less than significant.

The PEIR concluded that impacts associated with changes to roadway features would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were also determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. The temporary disruption to travel lanes during construction of the proposed Project would potentially increase the response times for emergency vehicles (police, fire, and ambulance/paramedic units) or disrupt access to adjacent properties. The impacts would be significant if the construction activities would restrict access to or from adjacent land uses with no suitable alternative access or if the construction activities would restrict the movements of emergency vehicles (police vehicles, fire vehicles, and ambulance/paramedic units) and there would be no reasonable alternative access routes available. However, these potential impacts would be less than significant with adherence to PMM TRAF-1 (see text in Part (a) above), which requires preparation of a Construction Traffic Control Plan. PMM TRAF-1 is proposed to reduce potential impacts to the circulation system along impacted street segments, including coordinating with emergency service providers and ensuring access is provided to all properties along the work area. Impacts to the circulation network related to disrupting emergency vehicle response times and access due to temporary lane closure and intersection disruptions would be less than significant with mitigation incorporated.

The PEIR concluded that impacts associated with inadequate emergency access would be less than significant. The proposed Project's impacts were also determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. As discussed above, temporary construction activities may intermittently reduce, disrupt, or temporarily eliminate access to sidewalks and bicycle use of the affected roadway segments. Additionally, temporary lane closures could slow public transit and/or school bus movements or disrupt bus stops. To ensure temporary lane closures do not impact bicycle, public transit, or pedestrian movements, PMM TRAF-1 requires the County (DPW's Traffic Division) to prepare a Construction Traffic Control Plan to ensure proper detours or safe travel through construction areas for bicycles and pedestrians, as well as vehicles (see text in Part (a) above). The Plan further requires coordination with affected agencies (such as schools) to minimize impacts associated with delays of bus transit service. Therefore, construction of the proposed Project would have a less-than-significant impact with mitigation incorporated on transit, bicycle, and pedestrian circulation.

The PEIR concluded that disruptions to sidewalk access, bicycle use, and public transit would be less than significant. The proposed Project's impacts were also determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

XVII. UTILITIES AND SERVICE SYSTEMS

Would the project:

	Subsequent/ Supplemental EIR: New Significant Effects or Substantially More Severe Effects	Addendum: None of the Conditions in State CEQA Guidelines Section 15162 Would Occur
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Comply with federal, State, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

Environmental Setting

The proposed Project is located within the southern half of Los Angeles County. Surface and groundwater quality in the Project area is under the jurisdiction of the Los Angeles Regional Water Quality Control Board (RWQCB), while the Los Angeles County Flood Control District manages the majority of the County's drainage infrastructure. Water supply for the County includes local surface and groundwater, imported surface water, captured and recharged stormwater, and recycled water (DPW, 2015). The County is also served by various landfills and recycling centers that are operated by incorporated cities, the County itself, and private facility operators.

- a. The proposed Project would be constructed and operated in compliance with the existing Municipal Separate Storm Sewer System (MS4) Permit for Los Angeles County (Order No. R4-2012-0175), which contains requirements to reduce the discharge of pollutants in stormwater runoff to the maximum extent practicable and achieve water quality standards (DPW, 2015). The MS4 Permit allows the County to implement the requirements of the Permit on a watershed scale through customized strategies, control measures, and BMPs such as the proposed Project. As the County would be required to comply with existing discharge permit limitations, implementation of the proposed Project would be consistent with RWQCB discharge requirements (DPW, 2015). Further, the proposed Project would be designed to infiltrate, treat, and store runoff to meet wastewater treatment requirements of the RWQCB permit. Impacts would be less than significant.

The PEIR concluded that impacts to wastewater infrastructure from individual projects would be less than significant. The proposed Project was also found to have a less-than-significant

impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- b. The main function of the proposed Project would be to infiltrate, treat, and store runoff to help reduce the impact of stormwater and non-stormwater discharges on receiving water quality. The proposed Project would not produce wastewater during operation. Furthermore, the centralized underground stormwater capture system would be designed to meet wastewater treatment requirements of the RWQCB permit (DPW, 2015). Impacts would be less than significant.

The EWMP program would not involve changes to wastewater treatment facilities, and therefore the PEIR concluded that impacts to wastewater infrastructure would be less than significant. The proposed Project was also found to have a less-than-significant impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- c. The proposed Project would construct a centralized underground stormwater capture system in order to improve water quality in Centinela Creek, Ballona Creek, and the Santa Monica Bay. Construction may cause short-term effects on the environment, which are discussed throughout this Addendum. Implementation of the proposed Project would not require the construction of additional, new stormwater drainage facilities or expansion of existing facilities. No impact would occur.

The PEIR concluded that individual projects would improve existing storm drainage facilities, and impacts from construction would be less than significant. The proposed Project would not adversely impact stormwater drainage facilities; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- d. Construction and operation of the proposed Project would not increase water demands. Although construction may require some minor water usage (e.g., dust control), construction would be completed in approximately six months. As such, water demand during construction is not expected to be substantial enough to require new or expanded water supply resources. Furthermore, the proposed Project would augment local water supplies through enhanced stormwater recharge. Stormwater that is collected from the proposed Project would also be used to irrigate up to 10,000 square feet of Ladera Park. The estimated amount of water required (i.e., 149,000 gallons annually) would be a substantial reduction from the estimated water currently used to maintain Ladera Park (i.e., 300,000 gallons annually). Impacts to the existing water supplies are anticipated to be beneficial as a result of the proposed Project. No adverse impacts related to new or expanded water supply resources or entitlements would occur.

The EWMP program would not increase water demand or involve changes to entitlements, and therefore the PEIR concluded that impacts to water supply would be less than significant. The proposed Project was found to have no adverse impact on water supply; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- e. As discussed under Section VIII(b), above, the proposed Project would not produce wastewater during operation. The main function of the proposed Project would be to infiltrate, treat, and store runoff to help reduce the impact of stormwater and non-stormwater discharges on receiving water quality. Neither construction nor operation of the proposed Project would

create additional demand on the wastewater treatment provider for the Project area. Impacts would be less than significant.

The PEIR concluded that impacts to wastewater treatment would be less than significant. The proposed Project was also found to have a less-than-significant impact; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- f. Construction activities associated with the proposed Project would include excavation and trenching, which would require the import and export of materials listed in Appendix B, Table B-4. The largest potential source of solid waste during construction would be excavated soil. While the County anticipates that most clean soil would be recycled, reused offsite, or stockpiled and reused as backfill, it is assumed that a portion of soil would be disposed in landfills (DPW, 2015). The quantities anticipated would not result in an exceedance of the permitted capacity of local landfills. Impacts related to insufficient landfill capacity would be less than significant. Furthermore, potential impacts associated with solid waste would be reduced through DPW's implementation of adopted PMM UTIL-3 (see text below), which requires the County to encourage construction contractors to recycle construction materials and divert inert solids (e.g., asphalt, brick, concrete, dirt, fines, rock, sand, soil, and stone) from disposal in a landfill, where feasible (DPW, 2015).

PMM UTIL-3: Implementing agencies shall encourage construction contractors to recycle construction materials and divert inert solids (asphalt, brick, concrete, dirt, fines, rock, sand, soil, and stone) from disposal in a landfill where feasible. Implementing agencies shall incentivize construction contractors with waste minimization goals in bid specifications where feasible.

The PEIR concluded that impacts associated with solid waste disposal during construction of individual projects would be reduced to a less-than-significant level with implementation of mitigation. The proposed Project's impacts were also determined to be less than significant with PMMs incorporated, and no additional mitigation measures are required. Therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

- g. The proposed Project would comply with all federal, State, and local statutes and regulations related to solid waste, including the Los Angeles County Construction and Demolition Debris Recycling and Reuse Program (DPW, 2015). Impacts regarding noncompliance with solid waste regulations would not occur.

The PEIR concluded that construction of individual BMPs would comply with all federal, State, and local statutes and regulations related to solid waste. The proposed Project would also comply with these statutes and regulations; therefore, the proposed Project would not create a new significant impact not discussed in the PEIR or result in substantially more severe impacts than shown in the PEIR.

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Appendix A

List of Preparers

List of Preparers

A consultant team headed by Aspen Environmental Group prepared this document under the direction of the County of Los Angeles, Department of Public Works. The preparers and technical reviewers of this document are presented below.

Lead Agency

County of Los Angeles, Department of Public Works

Michael De Leon, Capital Project Manager, PMD II, Project Manager Lead Agency Contact

Project Management and Document Production

Aspen Environmental Group – Prime Contractor

Lisa Blewitt, Senior Associate.....	Project Manager, Project Description, Hazards/Hazardous Materials, Noise, Mandatory Findings of Significance
Phil Lowe, Hydrologist.....	Deputy Project Manager, Geology/Soils, Hydrology & Water Quality
Will Walters, PE, Senior Engineer.....	Air Quality, Greenhouse Gas Emissions
Sam Stewart, Senior Biologist.....	Biological Resources
Diana Dyste, PhD, RPA, Archeologist.....	Cultural & Paleontological Resources
Scott Debauche, Environmental Scientist.....	Noise, Population & Housing, Transportation/Traffic
Patrick Meddaugh, Environmental Scientist.....	Geology/Soils, Hydrology & Water Quality, Minerals
Tatiana Inouye, Planner.....	Aesthetics, Agriculture/Forestry Resources, Land Use Planning, Public Services, Recreation
Kati Simpson, Senior Graphic Artist.....	Document Production, Graphics
Tracy Popiel.....	Geographic Information Systems (GIS)

Cogstone Resource Management

Desiree Martinez, MA, Principal Archaeologist..... Tribal Cultural Resources

Appendix B

Detailed Construction Information

Table B-1. Detailed Construction Schedule for the Ladera Park Regional Stormwater Project								
Task	Start Date	End Date	Jan	Feb	Mar	Apr	May	Jun
Mobilization and Staging	January	January	■					
Clear and Grub	January	January	■					
Diversion Structure/Manhole/Pipe (Slauson Ave)	January	March	■	■	■			
Manholes, Plug Valve and Pretreatment (Ladera Park Ave)	January	March	■	■	■			
Drywells and Connector Pipe (Slauson Ave)	March	April			■	■		
Splitters and Drywell/Connector Pipes (Ladera Park Ave)	March	March			■			
Drywells and Connector Pipes (in Ladera Park)	March	May			■	■	■	
Water Harvesting System and Monitoring Equipment	April	May				■	■	
Irrigation							■	
Landscaping and Above ground improvements	May	June					■	■
PCC - Walking Trails, Side Walks, Curb and Gutter	June	June						■
AC Paving - Slauson Ave and Ladera Park Ave	June	June						■
Demobilization	June	June						■

Information above is for estimating purposes only and are subject to change.

Table B-2. Off-Road Construction Equipment Use				
Task/Equipment Type	Horsepower	Number	Hours / Day	# Days
Mobilization and Staging				
Clear and Grub				
Backhoe JD 710	115	1	8	4
Super 10 Dumptruck - Peterbilt 367	455	2	8	2
Boom Lift	80	1	4	1
Chainsaw	2	1	6	1
Wood Chipper	15	1	6	1
Diversion Structure/Manhole/Pipe (Slauson Ave) & Manholes, Plug Valve and Pretreatment (Ladera Park Ave)				
Sawcutter	15	1	2	1
Backhoe JD 710	115	1	8	30
Super 10 Dumptruck - Peterbilt 367	455	4	8	5
Excavator - CAT M317F	150	1	6	30
Vibratory Plate Compactor	10	2	6	10
Air Compressor	50	1	4	20
Generator	100	1	8	20
Roller	100	1	6	1
Drywells and Connector Pipe (Slauson Ave)				
Sawcutter	15	1	2	2
Backhoe JD 710	115	1	8	15
Super 10 Dumptruck - Peterbilt 367	455	2	8	5
Boom Truck Crane	330	1	8	5
Truck Bucket Auger	455	1	8	5
Excavator - CAT M317F	150	1	6	15
Air Compressor	50	1	4	15
Generator	100	1	8	15
Vibratory Plate Compactor	10	1	6	5
Roller	100	1	4	1
Splitters and Drywell/Connector Pipes (Ladera Park Ave)				
Sawcutter	15	1	2	1
Backhoe JD 710	115	1	8	5
Super 10 Dumptruck - Peterbilt 367	455	2	8	5
Excavator - CAT M317F	150	1	6	5
Boom Truck Crane	330	1	8	3
Truck Bucket Auger	455	1	8	3
Air Compressor	50	1	4	3
Generator	100	1	8	3

Table B-2. Off-Road Construction Equipment Use				
Task/Equipment Type	Horsepower	Number	Hours / Day	# Days
Vibratory Plate Compactor	10	1	6	2
Roller	100	1	4	1
Drywells and Connector Pipes (in Ladera Park)				
Backhoe JD 710	115	2	8	30
Super 10 Dumptruck - Peterbilt 367	455	4	8	10
Excavator - CAT M317F	150	2	8	20
Boom Truck Crane	330	2	8	10
Truck Bucket Auger	455	2	8	10
Air Compressor	50	1	4	20
Generator	100	1	8	20
Vibratory Plate Compactor	10	2	4	15
Water Harvesting System and Monitoring Equipment				
Backhoe JD 710	115	1	6	5
Excavator - CAT M317F	150	1	6	5
Super 10 Dumptruck - Peterbilt 367	455	1	1	2
Air Compressor	50	1	8	2
Generator	100	1	8	2
Vibratory Plate Compactor	10	1	4	5
Irrigation				
Backhoe JD 710	115	1	8	3
Landscaping and Above ground improvements				
Backhoe JD 710	115	1	4	2
Super 10 Dumptruck - Peterbilt 367	455	1	6	2
Boom Lift	80	1	8	5
PCC - Walking Trails, Side Walks, Curb and Gutter				
Super 10 Dumptruck - Peterbilt 367	455	1	6	3
Generator	100	1	4	15
AC Paving - Slauson Ave and Ladera Park Ave				
Sawcutter	15	1	4	1
Backhoe JD 710	115	1	6	1
Super 10 Dumptruck - Peterbilt 367	455	4	8	1
Roller	100	1	4	1
Demobilization				

Information above is for estimating purposes only and are subject to change.

Table B-3. Field Personnel by Task	
Task	Personnel
Mobilization and Staging	5
Clear and Grub	10
Diversion Structure/Manhole/Pipe (Slauson Ave) & Manholes, Plug Valve and Pretreatment (Ladera Park Ave)	15-20
Drywells and Connector Pipe (Slauson Ave)	15
Splitters and Drywell/Connector Pipes (Ladera Park Ave)	10-15
Drywells and Connector Pipes (in Ladera Park)	15-20
Water Harvesting System and Monitoring Equipment	10
Irrigation	5
Landscaping and Above ground improvements	10
PCC - Walking Trails, Side Walks, Curb and Gutter	8
AC Paving - Slauson Ave and Ladera Park Ave	10
Demobilization	5

Note: Estimated peak workforce is anticipated to be approximately 15 to 20.
 Information above is for estimating purposes only and are subject to change.

Table B-4. Materials Required for the Proposed Project		
Item Description	Unit	Quantity
Pre-cast 48" diameter perforated RCP (Dry Well)	LF	1250
Pre-cast 48" diameter non-perforated RCP (Dry Well through strata not conducive to infiltration)	LF	375
Pre-cast 24" RCP (Horizontal)	LF	73
Pre-cast 18" RCP (Horizontal)	LF	675
10" PVC	LF	132
Pre-cast 96" RCP Splitter Structure	LF	30
Pre-cast pretreatment CDS or NSBB	EA	1
Pre-cast diversion structure/weir	EA	1
Monitoring Manhole	EA	2
Monitoring Well	EA	2
1-1/2 Inch Washed rock (for drywell)	CY	600
2 Sack cement/slurry backfill	CY	230
Imported backfill material for trenches/excavation	CY	2000
Imported bedding material for trenches/excavation	CY	300
Unclassified excavation	CY	4350
Haul-away of non-suitable backfill and bedding material	CY	4350
CMB (Trench Restoration)	CY	42
AC Pavement (Trench Restoration)	TON	43

Information above is for estimating purposes only and are subject to change.

Appendix C

Cultural and Tribal Resources

Records Search

AB 52 – County Notification Letters

South Central Coastal Information Center

California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395 / FAX 657.278.5542
sccic@fullerton.edu

California Historical Resources Information System
Orange, Los Angeles, and Ventura Counties

8/31/2017

Records Search File No.: 18032.4078

Diana Dyste
Aspen Environmental Group
8801 Folsom Blvd, Suite 290
Sacramento, CA 95826

Re: Records Search Results for the 6027 Ladera Park Ave, Ladera Heights Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Inglewood, CA USGS 7.5' quadrangle. The following reflects the results of the records search for the project area and a ¼-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format: custom GIS maps shape files hand-drawn maps

Resources within project area: 0	None
Resources within 1-4-mile radius: 0	None
Reports within project area: 1	LA-11973
Reports within ¼-mile radius: 4	SEE ATTACHED MAP or LIST

- Resource Database Printout (list):** enclosed not requested nothing listed
- Resource Database Printout (details):** enclosed not requested nothing listed
- Resource Digital Database (spreadsheet):** enclosed not requested nothing listed
- Report Database Printout (list):** enclosed not requested nothing listed
- Report Database Printout (details):** enclosed not requested nothing listed
- Report Digital Database (spreadsheet):** enclosed not requested nothing listed
- Resource Record Copies:** enclosed not requested nothing listed
- Report Copies:** enclosed not requested nothing listed
- OHP Historic Properties Directory:** enclosed not requested nothing listed
- Archaeological Determinations of Eligibility:** enclosed not requested nothing listed
- Los Angeles Historic-Cultural Monuments** enclosed not requested nothing listed
- Historical Maps:** enclosed not requested nothing listed
- Ethnographic Information:** not available at SCCIC
- Historical Literature:** not available at SCCIC
- GLO and/or Rancho Plat Maps:** not available at SCCIC

Caltrans Bridge Survey: not available at SCCIC; please go to <http://www.dot.ca.gov/hq/structur/strmaint/historic.htm>

Shipwreck Inventory: not available at SCCIC; please go to http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp

Soil Survey Maps: (see below) not available at SCCIC; please go to <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,



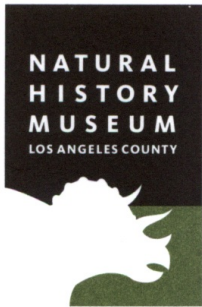
Digitally signed by
Michelle Galaz
Date: 2017.08.31
11:14:23 -07'00'

Michelle Galaz
Assistant Coordinator
Enclosures:

- (X) GIS Shapefiles – 5 shapes
- (X) Report Digital Database (spreadsheet) – 5 lines
- (X) Report Copies – (all) – 746 pages
- (X) Invoice #18032.4078

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org



Vertebrate Paleontology Section
Telephone: (213) 763-3325

e-mail: smcleod@nhm.org

2 October 2017

Aspen Environmental Group
8801 Folsom Boulevard, Suite 290
Sacramento, CA 95826

Attn: Diana T. Dyste, Senior Cultural Resources Specialist

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed Ladera Park Stormwater Capture Project, Aspen Project No. 3262.009, in Ladera Heights, Los Angeles County, project area

Dear Diana:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Ladera Park Stormwater Capture Project, Aspen Project No. 3262.009, in Ladera Heights, Los Angeles County, project area as outlined on the portion of the Inglewood USGS topographic quadrangle map that you sent to me via e-mail on 18 September 2017. We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have vertebrate fossil localities nearby from the same sedimentary deposits that occur in the proposed project area.

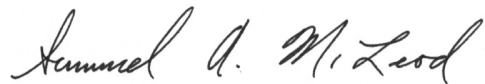
In the very northwestern portion of the proposed project area there is apparently surface material of artificial fill that is unlikely to contain any significant vertebrate fossils. Otherwise the proposed project area has surface deposits consisting of older Quaternary Alluvium. Our closest vertebrate fossil locality from the older Quaternary Alluvium is LACM 1170, southeast of the proposed project area in Centinela Park east of Centinela Avenue and bounded on the southeast by Florence Avenue, that produced a substantial terrestrial fossil fauna from the late Pleistocene sands including specimens of coot, *Fulica americana*, ground sloth, *Megalonyx jeffersoni*, mastodon, *Mammuth americanum*, rodent, Rodentia, weasel, *Mustela frenata*, sabre-tooth cat, *Smilodon fatalis*, horse, *Equus*, peccary, *Platygonus*, camel, *Camelops hesternus*,

pronghorn antelope, *Capromeryx minor*, deer, *Odocoileus hemionus*, and bison, *Bison antiquus*. A little farther to the east-southeast of the proposed project area we have the vertebrate fossil locality LACM 3252, in Hyde Park south of Hyde Park Boulevard and east of Crenshaw Boulevard west of 8th Avenue, that produced fossil specimens of bison, *Bison*, and camel, *Camelops*, from unknown depths. South of locality LACM 3252 and east of locality LACM 1170, south of Florence Avenue and east of Crenshaw Boulevard east of 8th Avenue, our vertebrate fossil locality LACM 5888 produced a fossil specimen of mastodon, *Mammut*, collected at unknown depth during excavations for the outfall sewer.

Shallow excavations in the artificial fill in the very northwestern portion of the proposed project area probably will not uncover any significant vertebrate fossils. Deeper excavations there that extend down into *in situ* deposits, or any excavations in the older Quaternary Alluvium exposed throughout most of the proposed project area, however, may well uncover significant fossil vertebrate remains. Any substantial excavations in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Also, sediment samples should be collected and processed to determine the small fossil potential in the proposed project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in cursive script that reads "Samuel A. McLeod".

Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: invoice

NATIVE AMERICAN HERITAGE COMMISSION

Environmental and Cultural Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
(916) 373-3710



August 22, 2017

Diana Dyste
Aspen Environmental Group

Sent by E-mail: ddyste@aspeneg.com

RE: Proposed Ladera Park Stormwater Capture Project, Community of Ladera Heights;
Inglewood USGS Quadrangle, Los Angeles County, California

Dear Ms. Dyste:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results. Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE.

Attached is a list of tribes culturally affiliated to the project area. I suggest you contact all of the listed Tribes. If they cannot supply information, they might recommend others with specific knowledge. The list should provide a starting place to locate areas of potential adverse impact within the APE. By contacting all those on the list, your organization will be better able to respond to claims of failure to consult. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact via email: gayle.totton@nahc.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "Gayle Totton".

Gayle Totton, M.A., PhD.
Associate Governmental Program Analyst

Native American Heritage Commission
Native American Contact List
Los Angeles County
8/22/2017

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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Ladera Park Stormwater Capture Project, Los Angeles County.



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

August 14, 2017

IN REPLY PLEASE
REFER TO FILE: **PM-3**

Ms. Kimia Fatehi
Tribal Historic and Cultural Preservation Officer
Fernandeno Tataviam Band of Mission Indians
1019 Second Street
San Fernando CA, 91340

Dear Ms. Fatehi:

**COUNTY OF LOS ANGELES – ASSEMBLY BILL 52
FORMAL NOTIFICATION AND RESPONSE DEADLINE
REQUEST CONSULTATION ON TRIBAL CULTURAL RESOURCES
FOR LADERA PARK REGIONAL STORMWATER CAPTURE PROJECT**

The Department of Public Works of the County of Los Angeles (County) is the lead agency, pursuant to the California Environmental Quality Act (CEQA), for the preparation of an environmental document for the proposed Ladera Park Stormwater Capture project. Assembly Bill (AB) 52 requires lead agencies to consult with California Native American Tribes that request such consultation in writing prior to the agency's release of a Notice of Preparation (NOP) of an Environmental Impact Report (EIR), or Notice of Intent (NOI) to adopt a Mitigated Negative Declaration (MND) or Negative Declaration (ND) on or after July 1, 2015. The County received your request for formal notification of proposed projects within your Tribe's traditional use area. This correspondence is intended as formal notification of the proposed project pursuant to AB 52.

Project Name: Ladera Park Stormwater Capture Project

Proposed project: The proposed project includes a stormwater capture system, composed of a diversion structure, pre-treatment system, infiltration wells, and a water harvesting system, as well as a demonstration garden. These improvements are proposed to reduce the amount of bacterial, toxic, and metal pollutants being discharged into Centinela Creek, a tributary of the Ballona Creek; improve water quality and preserve habitat in Centinela Creek, Ballona Creek, and the Santa Monica Bay, and assist the County in addressing stormwater permit requirements, as well as achieve water quality objectives for the project drainage area.

The preliminary design for the proposed project includes a concrete diversion structure along the existing storm drain (located approximately 14.5 feet below grade in West Slauson Avenue) to redirect stormwater and non-stormwater flows through a 36-inch pipe (requires 6-foot wide, 15-foot deep trench to install) toward the pre-treatment system. The pre-treatment system includes a pre-cast reinforced concrete box with trash separation devices located approximately 20 feet underground at the intersection of West Slauson Avenue and Ladera Park Avenue. Non-stormwater flows would be diverted, pre-treated, and then stored in a 1,500-gallon underground storage chamber (estimated to be 10 feet wide x 20 feet long x 15 feet high), requiring approximately 115 cubic yards of excavation within the first 20 feet below the ground surface (i.e., within non-sandy soils). This water would be used to irrigate the project area within Ladera Park. During major rainfall (storm) events, diverted stormwater flows would be pre-treated and sent to the proposed infiltration well system, which would consist of an estimated 34 infiltration wells. Each well would require an approximately 6-foot diameter hole to accommodate a 4-foot diameter perforated pipe with gravel filling the space between the pipe and hole, and would extend to depths of 70 to 100 feet. These wells would be connected by reinforced concrete pipe, requiring trenches 5-feet wide by 15-feet deep to install. The system would be controlled remotely. It is anticipated that 5 trees within the northwest portion of Ladera Park would need to be removed to accommodate construction of the stormwater capture system, requiring approximately 10 cubic yards of excavation at depths of approximately 2 feet.

A demonstration garden is proposed in the park area above the infiltration wells to educate the public about drought tolerant landscaping and ways to reduce potable water use. The County is currently working with the Los Angeles County Department of Parks and Recreation to refine the demonstration garden design, which is currently assumed to incorporate bio-swales (i.e., open channel area with amended topsoil, underdrain, and vegetation designed to attenuate, treat, and convey stormwater runoff), a green roof shade structure, walking paths with bridges, and seating for the public. The depth and extent of disturbance associated with the demonstration garden is unknown at this time.

As part of the CEQA process for the Ladera Park Stormwater Capture project, a cultural resources records search at the South Central Coastal Information Center and a Sacred Lands search at the Native American Heritage Commission will be completed for the proposed project.

Ms. Kimia Fatehi
August 14, 2017
Page 3

Location: The proposed project is located within Ladera Park located at 6027 Ladera Park Avenue, Ladera Heights in the unincorporated area of Los Angeles County, which falls within Township 2 South, Range 14 West of the USGS Inglewood, CA 7.5 minute topographic quadrangle. The majority of the proposed project components would be constructed within the northeast corner of the park, near the intersection of West Slauson Avenue and Ladera Park Avenue, with some elements located within (underground) West Slauson Avenue and Ladera Park Avenue (see Figure 1).

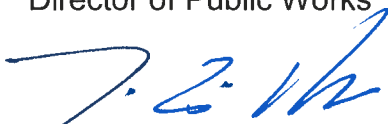
Your participation in this local planning process is important. If you possess any information or knowledge regarding Native American Sacred Lands or other tribal cultural resources in and around the project site, and wish to consult with the County regarding these resources or mitigation measures to reduce impacts of the proposed project, please direct your comments to Mr. Michael De Leon at mdeleon@dpw.lacounty.gov or any correspondence on this matter to: County of Los Angeles Department of Public Works, Project Management Division II, Attention: Mr. Michael De Leon, 900 South Fremont Avenue, 5th Floor, Alhambra, CA 91803.

AB 52 allows Tribes 30 days after receiving notification to request consultation. The County will be following up this letter by telephone to ensure you received this correspondence and to inquire whether your Tribe would like to consult. Should we not receive a response within 30 days, we will presume that you have declined consultation.

If you have any questions, please call me or your staff may contact Mr. Michael De Leon at (626) 300-3290.

Very truly yours,

MARK PESTRELLA
Director of Public Works



TE-LING CHOU
Assistant Deputy Director
Project Management Division II

MD:ec

U:\pmd\Gen\Ladera Park Reg Stormwater Cap Project\PF\02200\02203\AB52-Ltr\AB52 Ladera-Fernandeno

Enc.

cc: Chief Executive Office (Richard Beltran)
County Counsel (Laura Carinena)
Watershed Management Division (T.J. Moon)

Appendix D
Environmental Data Resources (EDR) Report

Ladera Park Stormwater Capture Project

6027 Ladera Park Avenue

Los Angeles, CA 90056

Inquiry Number: 5017765.2s

August 09, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	117
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-18
Physical Setting Source Map Findings	A-19
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

6027 LADERA PARK AVENUE
LOS ANGELES, CA 90056

COORDINATES

Latitude (North): 33.9881600 - 33° 59' 17.37"
Longitude (West): 118.3598370 - 118° 21' 35.41"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 374397.3
UTM Y (Meters): 3761482.0
Elevation: 232 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640440 INGLEWOOD, CA
Version Date: 2012

Northeast Map: 5630741 HOLLYWOOD, CA
Version Date: 2012

Southwest Map: 5640438 VENICE, CA
Version Date: 2012

Northwest Map: 5630733 BEVERLY HILLS, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140513
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
6027 LADERA PARK AVENUE
LOS ANGELES, CA 90056

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LEES MOBILE	4700 W SLAUSON AVE	EDR Hist Auto	Higher	290, 0.055, ENE
A2	MOBIL #11-GGG	4700 SLAUSON AVE W	LUST, HIST CORTESE	Higher	290, 0.055, ENE
A3	UNITED OIL CO #03	4700 W SLAUSON AVE	UST	Higher	290, 0.055, ENE
A4	MOBIL OIL CORP	4700 W SLAUSON AVE	SWEEPS UST	Higher	290, 0.055, ENE
A5	HAN YOUNG LEE	4700 W SLAUSON AVE	HIST UST	Higher	290, 0.055, ENE
A6	CHEVRON U S A INC.	4701 W SLAUSON AVE	SWEEPS UST, HIST UST	Higher	330, 0.062, ENE
A7	LA BREA GAS	4701 W SLAUSON AVE	UST	Higher	330, 0.062, ENE
A8	LA BREA GAS	4701 W SLAUSON AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	330, 0.062, ENE
A9	KIM JOHN	4701 W SLAUSON AVE	EDR Hist Auto	Higher	330, 0.062, ENE
A10	CHEVRON USA SS # 024	4701 W SLAUSON AVE	SWEEPS UST	Higher	338, 0.064, ENE
A11	RAYALL EXXON SERVICE	5646 S LA BREA AVE	EDR Hist Auto	Higher	411, 0.078, ENE
A12	EXXON #7-3698	5646 LA BREA AVE S	LUST, SWEEPS UST	Higher	411, 0.078, ENE
A13	EXXON SERVICE STATIO	5646 LA BREA	HIST UST, HIST CORTESE	Higher	411, 0.078, ENE
A14	EXXON SERVICE STATIO	5646 S LA BREA AVE	HIST UST	Higher	411, 0.078, ENE
A15	YOUNG K KIM	4660 SLAUSON	LUST, HIST UST, HIST CORTESE, LOS ANGELES CO. HMS	Higher	413, 0.078, East
A16	TESORO (SHELL) 68557	4660 W SLAUSON AVE	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	413, 0.078, East
A17	TESORO (SHELL) 68557	4660 W SLAUSON AVE	AST	Higher	413, 0.078, East
A18	YOUNG K. KIM	4660 W SLAUSON AVE	HIST UST	Higher	413, 0.078, East
A19		4660 W SLAUSON AVE	EDR Hist Auto	Higher	413, 0.078, East
A20	TESORO (SHELL) 68557	4660 W SLAUSON AVE	UST	Higher	413, 0.078, East
A21	SLAUSON GAS STATION	4661 W SLAUSON AVE	UST, LOS ANGELES CO. HMS	Higher	505, 0.096, ENE
A22	ARCO A M P SLAUSON &	4661 W SLAUSON AVE	EDR Hist Auto	Higher	505, 0.096, ENE
B23	UNOCAL #1812	4856 SLAUSON AVE W	LUST	Higher	512, 0.097, WSW
A24	SHELL SERV STA	4660 W SLAUSON AVE	SWEEPS UST	Higher	513, 0.097, ENE
A25	DEWEY PEST CONTROL	4642 W SLAUSON AVE	SWEEPS UST	Higher	530, 0.100, East
A26	DEWEY PEST CONTROL	4642 W SLAUSON BLVD	RCRA-SQG, FINDS, ECHO	Higher	530, 0.100, East
B27	SHELL SERV STA	4859 W SLAUSON AVE	SWEEPS UST, CA FID UST	Higher	617, 0.117, West
B28	SHELL OIL CO	4859 SLAUSON	HIST UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	617, 0.117, West
B29	TOMS SHELL SERVICE	4859 W SLAUSON AVE	EDR Hist Auto	Higher	617, 0.117, West
B30	TOMS SHELL	4859 SLAUSON AVE	HIST UST, HAZNET	Higher	617, 0.117, West
B31	UNOCAL CORP SS 1812	4856 W SLAUSON AVE	SWEEPS UST, CA FID UST, LOS ANGELES CO. HMS	Higher	636, 0.120, WSW
B32	SERVICE STATION 1812	4856 W SLAUSON AVE	HIST UST	Higher	636, 0.120, WSW
B33	UNOCAL #1812	4856 SLAUSON	HIST CORTESE	Higher	636, 0.120, WSW
B34	TOSCO/UNION #30406	4856 W SLAUSON AVE	UST	Higher	636, 0.120, WSW
B35	UNOCAL 76	4856 W SLAUSON AVE	EDR Hist Auto	Higher	636, 0.120, WSW
B36	SLAUSON 76	4856 W SLAUSON AVE	HIST UST, HAZNET	Higher	636, 0.120, WSW
B37	CONDOR WESTCORP	4900 W SLAUSON AVE	SWEEPS UST	Higher	718, 0.136, WSW
C38		5740 SO. FAIRFAX	Notify 65	Higher	777, 0.147, West
C39	LA CO FD STATION #05	5757 S FAIRFAX AVE	AST	Higher	795, 0.151, West

MAPPED SITES SUMMARY

Target Property Address:
6027 LADERA PARK AVENUE
LOS ANGELES, CA 90056

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
C40	CHEVRON U S A INC IN	5540 SO FAIFAX AVE	HIST UST	Higher	829, 0.157, WNW
41	LADERA CLEANER & LAU	4920 SLAUSON	RCRA-SQG, FINDS, ECHO, DRYCLEANERS, EMI, HAZNET	Higher	843, 0.160, WSW
C42	LA COUNTY FIRE DEPT.	5757 S FAIRFAX AVE	LUST, HIST UST	Higher	934, 0.177, West
C43		5757 S FAIRFAX AVE	AST	Higher	934, 0.177, West
C44	LA CO FD FIRE STA #0	5757 S FAIRFAX AVE	SWEEPS UST	Higher	934, 0.177, West
C45	CONS FIRE STA# 58	5757 S FAIRFAX AVE	SWEEPS UST	Higher	934, 0.177, West
D46	UNOCAL #5821	4501 SLAUSON AVE W	LUST	Higher	1559, 0.295, ENE
D47	UNOCAL #5821	4501 SLAUSON	HIST CORTESE	Higher	1559, 0.295, ENE
E48	INGLEWOOD OIL FIELD	5640 FAIRFAX	SLIC, CHMIRS, LDS, ENF, NPDES, LA Co. Site...	Higher	1571, 0.298, North
E49	PXP INGLEWOOD FIELD	5640 S FAIRFAX AVENU	SEMS-ARCHIVE, RCRA-SQG	Higher	1571, 0.298, North
E50	INGLEWOOD OIL FD,BAL	5640 S FAIRFAX AVE	WMUDS/SWAT, EMI, HAZNET, WDS	Higher	1571, 0.298, North
51	76 PRODUCTS STATION	1430 LA BREA BLVD N	LUST, HIST CORTESE	Lower	2328, 0.441, South
52	SOUTHLAND CORP #2054	4343 SLAUSON AVE W	LUST, HIST CORTESE	Higher	2486, 0.471, East
53	LA TIJERA ELEMENTARY	1415 SOUTH LA TIJERA	ENVIROSTOR, SCH, NPDES	Lower	3537, 0.670, SW
54	FRANK PARENT ELEMENT	5354 WEST 64TH STREE	ENVIROSTOR, SCH	Lower	4732, 0.896, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN..... San Gabriel Valley Areas of Concern

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing

EXECUTIVE SUMMARY

LIENS 2 CERCLA Lien Information
DEED Deed Restriction Listing

Records of Emergency Release Reports

HMIRS Hazardous Materials Information Reporting System
CHMIRS California Hazardous Material Incident Report System
LDS Land Disposal Sites Listing
MCS Military Cleanup Sites Listing
SPILLS 90 SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS Formerly Used Defense Sites
DOD Department of Defense Sites
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR Financial Assurance Information
EPA WATCH LIST EPA WATCH LIST
2020 COR ACTION 2020 Corrective Action Program List
TSCA Toxic Substances Control Act
TRIS Toxic Chemical Release Inventory System
SSTS Section 7 Tracking Systems
ROD Records Of Decision
RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
ICIS Integrated Compliance Information System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US AIRS Aerometric Information Retrieval System Facility Subsystem
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
EMI Emissions Inventory Data
ENF Enforcement Action Listing

EXECUTIVE SUMMARY

Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
LOS ANGELES CO. HMS.....	HMS: Street Number List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
LA Co. Site Mitigation.....	Site Mitigation List
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly

EXECUTIVE SUMMARY

known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 02/07/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PXP INGLEWOOD FIELD	5640 S FAIRFAX AVENU	N 1/4 - 1/2 (0.298 mi.)	E49	86

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TESORO (SHELL) 68557	4660 W SLAUSON AVE	E 0 - 1/8 (0.078 mi.)	A16	35
DEWEY PEST CONTROL	4642 W SLAUSON BLVD	E 0 - 1/8 (0.100 mi.)	A26	47
LADERA CLEANER & LAU	4920 SLAUSON	WSW 1/8 - 1/4 (0.160 mi.)	41	63

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2017 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LA TIJERA ELEMENTARY	1415 SOUTH LA TIJERA	SW 1/2 - 1 (0.670 mi.)	53	105

EXECUTIVE SUMMARY

Facility Id: 60000008
 Status: Certified

FRANK PARENT ELEMENT

5354 WEST 64TH STREE

WSW 1/2 - 1 (0.896 mi.)

54

113

Facility Id: 19820035

Status: No Further Action

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL #11-GGG Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-05200 Status: Case Closed Global Id: T0603748120 Global Id: T0603703048 Global ID: T0603703048	4700 SLAUSON AVE W	ENE 0 - 1/8 (0.055 mi.)	A2	8
EXXON #7-3698 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-00035 Status: Case Closed Global Id: T0603702656 Global ID: T0603702656	5646 LA BREA AVE S	ENE 0 - 1/8 (0.078 mi.)	A12	27
YOUNG K KIM Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: R-05198 Status: Preliminary site assessment underway Global Id: T0603704671 Global ID: T0603704671	4660 SLAUSON	E 0 - 1/8 (0.078 mi.)	A15	31
UNOCAL #1812 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-02103 Status: Case Closed Global Id: T0603702830 Global ID: T0603702830	4856 SLAUSON AVE W	WSW 0 - 1/8 (0.097 mi.)	B23	42
LA COUNTY FIRE DEPT. Database: LUST, Date of Government Version: 03/13/2017	5757 S FAIRFAX AVE	W 1/8 - 1/4 (0.177 mi.)	C42	67

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Global Id: T0603774319

UNOCAL #5821 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: I-05199 Status: Case Closed Global Id: T0603703047 Global ID: T0603703047	4501 SLAUSON AVE W	ENE 1/4 - 1/2 (0.295 mi.)	D46	71
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SOUTHLAND CORP #2054 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: R-14245 Status: Preliminary site assessment workplan submitted Global Id: T0603705224 Global ID: T0603705224	4343 SLAUSON AVE W	E 1/4 - 1/2 (0.471 mi.)	52	103
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
76 PRODUCTS STATION Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/13/2017 Status: Completed - Case Closed Facility Id: R-09979 Status: Pollution Characterization Global Id: T0603704888 Global ID: T0603704888	4130 LA BREA BLVD N	S 1/4 - 1/2 (0.441 mi.)	51	99

SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the SLIC list, as provided by EDR, has revealed that there is 1 SLIC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INGLEWOOD OIL FIELD Database: SLIC REG 4, Date of Government Version: 11/17/2004	5640 FAIRFAX	N 1/4 - 1/2 (0.298 mi.)	E48	73

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within

EXECUTIVE SUMMARY

approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNITED OIL CO #03 Database: UST, Date of Government Version: 03/12/2017 Facility Id: LACoFA0033493 Facility Id: 25439	4700 W SLAUSON AVE	ENE 0 - 1/8 (0.055 mi.)	A3	16
LA BREA GAS Database: UST, Date of Government Version: 03/12/2017 Facility Id: LACoFA0025234 Facility Id: 23779	4701 W SLAUSON AVE	ENE 0 - 1/8 (0.062 mi.)	A7	20
TESORO (SHELL) 68557 Database: UST, Date of Government Version: 03/12/2017 Facility Id: 26301 Facility Id: LACoFA0025144	4660 W SLAUSON AVE	E 0 - 1/8 (0.078 mi.)	A20	40
SLAUSON GAS STATION Database: UST, Date of Government Version: 03/12/2017 Facility Id: 26657 Facility Id: LACoFA0025096	4661 W SLAUSON AVE	ENE 0 - 1/8 (0.096 mi.)	A21	41
TOSCO/UNION #30406 Database: UST, Date of Government Version: 03/12/2017 Facility Id: 24964 Facility Id: LACoFA0025243	4856 W SLAUSON AVE	WSW 0 - 1/8 (0.120 mi.)	B34	58

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TESORO (SHELL) 68557	4660 W SLAUSON AVE	E 0 - 1/8 (0.078 mi.)	A17	38
LA CO FD STATION #05	5757 S FAIRFAX AVE	W 1/8 - 1/4 (0.151 mi.)	C39	61
Not reported	5757 S FAIRFAX AVE	W 1/8 - 1/4 (0.177 mi.)	C43	69

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INGLEWOOD OIL FD,BAL	5640 S FAIRFAX AVE	N 1/4 - 1/2 (0.298 mi.)	E50	88

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 11 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL OIL CORP Status: A Tank Status: A Comp Number: 5200	4700 W SLAUSON AVE	ENE 0 - 1/8 (0.055 mi.)	A4	16
CHEVRON U S A INC. Status: A Comp Number: 8302	4701 W SLAUSON AVE	ENE 0 - 1/8 (0.062 mi.)	A6	19
CHEVRON USA SS # 024 Status: A Tank Status: A Comp Number: 6551	4701 W SLAUSON AVE	ENE 0 - 1/8 (0.064 mi.)	A10	24
EXXON #7-3698 Status: A Comp Number: 35	5646 LA BREA AVE S	ENE 0 - 1/8 (0.078 mi.)	A12	27
SHELL SERV STA Status: A Tank Status: A Comp Number: 5198	4660 W SLAUSON AVE	ENE 0 - 1/8 (0.097 mi.)	A24	45
DEWEY PEST CONTROL Status: A Tank Status: A Comp Number: 14730	4642 W SLAUSON AVE	E 0 - 1/8 (0.100 mi.)	A25	46
SHELL SERV STA Status: A Tank Status: A Comp Number: 5895	4859 W SLAUSON AVE	W 0 - 1/8 (0.117 mi.)	B27	49
UNOCAL CORP SS 1812 Status: A Tank Status: A Comp Number: 2103	4856 W SLAUSON AVE	WSW 0 - 1/8 (0.120 mi.)	B31	55
CONDOR WESTCORP Status: A Comp Number: 9292	4900 W SLAUSON AVE	WSW 1/8 - 1/4 (0.136 mi.)	B37	61
LA CO FD FIRE STA #0 Status: A Tank Status: A Comp Number: 12758	5757 S FAIRFAX AVE	W 1/8 - 1/4 (0.177 mi.)	C44	70
CONS FIRE STA# 58 Status: A Tank Status: A	5757 S FAIRFAX AVE	W 1/8 - 1/4 (0.177 mi.)	C45	70

EXECUTIVE SUMMARY

Comp Number: 12759

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 12 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAN YOUNG LEE Facility Id: 00000039717	4700 W SLAUSON AVE	ENE 0 - 1/8 (0.055 mi.)	A5	18
CHEVRON U S A INC. Facility Id: 00000061762	4701 W SLAUSON AVE	ENE 0 - 1/8 (0.062 mi.)	A6	19
EXXON SERVICE STATIO EXXON SERVICE STATIO Facility Id: 00000029470	5646 LA BREA 5646 S LA BREA AVE	ENE 0 - 1/8 (0.078 mi.) ENE 0 - 1/8 (0.078 mi.)	A13 A14	29 30
YOUNG K KIM YOUNG K. KIM Facility Id: 00000017080	4660 SLAUSON 4660 W SLAUSON AVE	E 0 - 1/8 (0.078 mi.) E 0 - 1/8 (0.078 mi.)	A15 A18	31 39
SHELL OIL CO Facility Id: 00000003067	4859 SLAUSON	W 0 - 1/8 (0.117 mi.)	B28	51
TOMS SHELL SERVICE STATION 1812 Facility Id: 00000003882	4859 SLAUSON AVE 4856 W SLAUSON AVE	W 0 - 1/8 (0.117 mi.) WSW 0 - 1/8 (0.120 mi.)	B30 B32	54 57
SLAUSON 76 CHEVRON U S A INC IN LA COUNTY FIRE DEPT. Facility Id: 00000020798	4856 W SLAUSON AVE 5540 SO FAIFAX AVE 5757 S FAIRFAX AVE	WSW 0 - 1/8 (0.120 mi.) WNW 1/8 - 1/4 (0.157 mi.) W 1/8 - 1/4 (0.177 mi.)	B36 C40 C42	58 62 67

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERV STA Facility Id: 19020632 Status: A	4859 W SLAUSON AVE	W 0 - 1/8 (0.117 mi.)	B27	49
UNOCAL CORP SS 1812 Facility Id: 19023071 Status: A	4856 W SLAUSON AVE	WSW 0 - 1/8 (0.120 mi.)	B31	55

EXECUTIVE SUMMARY

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LA BREA GAS	4701 W SLAUSON AVE	ENE 0 - 1/8 (0.062 mi.)	A8	20
SHELL OIL CO	4859 SLAUSON	W 0 - 1/8 (0.117 mi.)	B28	51

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 03/09/2017 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LADERA CLEANER & LAU EPA Id: CAD981985336	4920 SLAUSON	WSW 1/8 - 1/4 (0.160 mi.)	41	63

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOBIL #11-GGG Reg Id: I-05200	4700 SLAUSON AVE W	ENE 0 - 1/8 (0.055 mi.)	A2	8
EXXON SERVICE STATIO Reg Id: I-00035	5646 LA BREA	ENE 0 - 1/8 (0.078 mi.)	A13	29
YOUNG K KIM Reg Id: R-05198	4660 SLAUSON	E 0 - 1/8 (0.078 mi.)	A15	31
UNOCAL #1812 Reg Id: I-02103	4856 SLAUSON	WSW 0 - 1/8 (0.120 mi.)	B33	57
UNOCAL #5821 Reg Id: I-05199	4501 SLAUSON	ENE 1/4 - 1/2 (0.295 mi.)	D47	73
SOUTHLAND CORP #2054 Reg Id: R-14245	4343 SLAUSON AVE W	E 1/4 - 1/2 (0.471 mi.)	52	103
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
76 PRODUCTS STATION	1430 LA BREA BLVD N	S 1/4 - 1/2 (0.441 mi.)	51	99

EXECUTIVE SUMMARY

Reg Id: R-09979

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/16/2016 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	5740 SO. FAIRFAX	W 1/8 - 1/4 (0.147 mi.)	C38	61

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 7 EDR Hist Auto sites within approximately 0.125 miles of the target property.

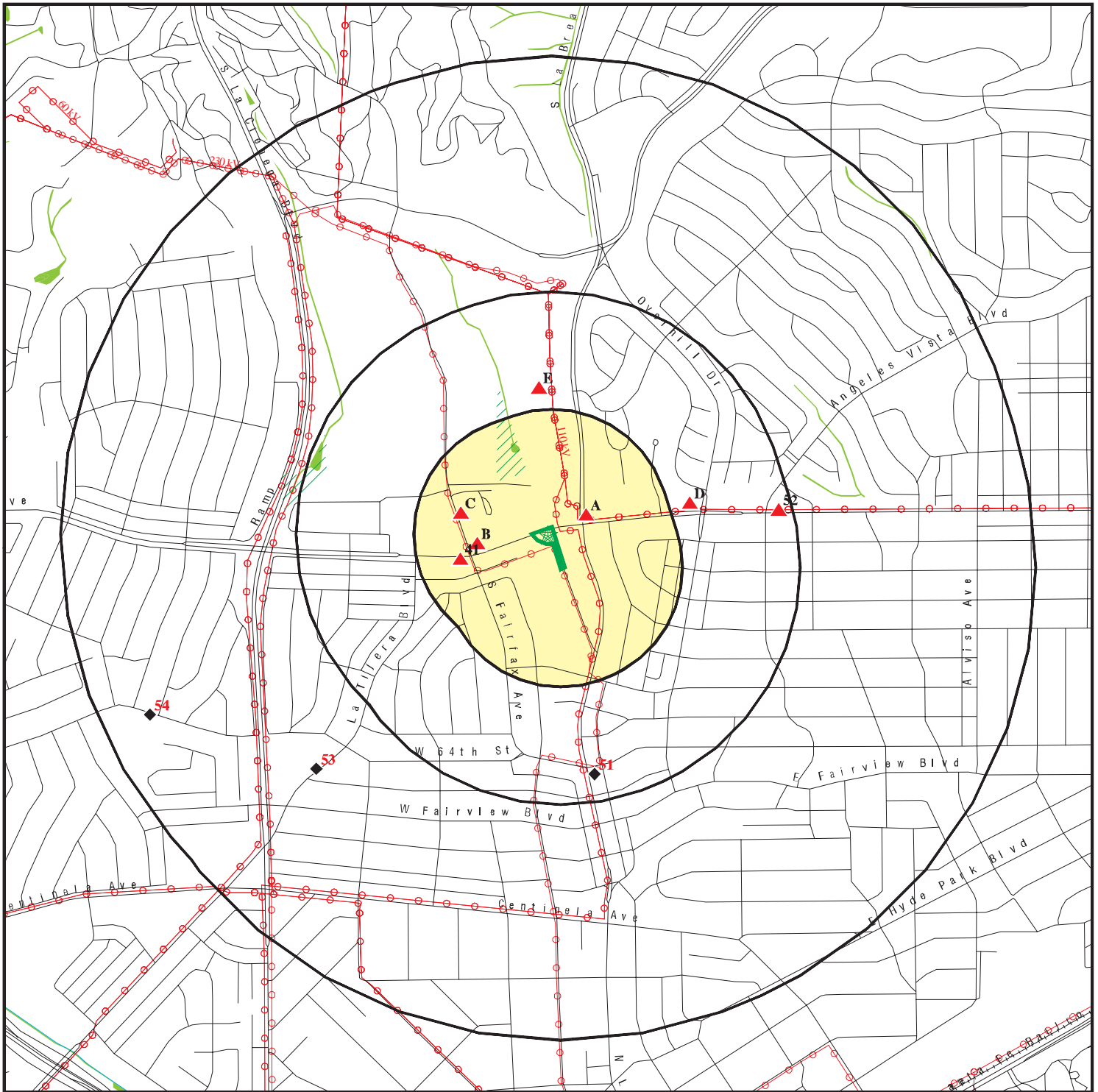
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LEES MOBILE	4700 W SLAUSON AVE	ENE 0 - 1/8 (0.055 mi.)	A1	8
KIM JOHN	4701 W SLAUSEN AVE	ENE 0 - 1/8 (0.062 mi.)	A9	22
RAYALL EXXON SERVICE	5646 S LA BREA AVE	ENE 0 - 1/8 (0.078 mi.)	A11	26
Not reported	4660 W SLAUSON AVE	E 0 - 1/8 (0.078 mi.)	A19	40
ARCO A M P SLAUSON &	4661 W SLAUSON AVE	ENE 0 - 1/8 (0.096 mi.)	A22	42
TOMS SHELL SERVICE	4859 W SLAUSON AVE	W 0 - 1/8 (0.117 mi.)	B29	54
UNOCAL 76	4856 W SLAUSON AVE	WSW 0 - 1/8 (0.120 mi.)	B35	58

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
INGLEWOOD OIL FIELD (FORMER)	SLIC
INGLEWOOD OIL FIELD (FORMER)	SLIC
DALTON CONSTRUCTION	SLIC
DALTON CONSTRUCTION	SLIC
WESTCHESTER 3 ACRE PROPERTY	ENVIROSTOR

OVERVIEW MAP - 5017765.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

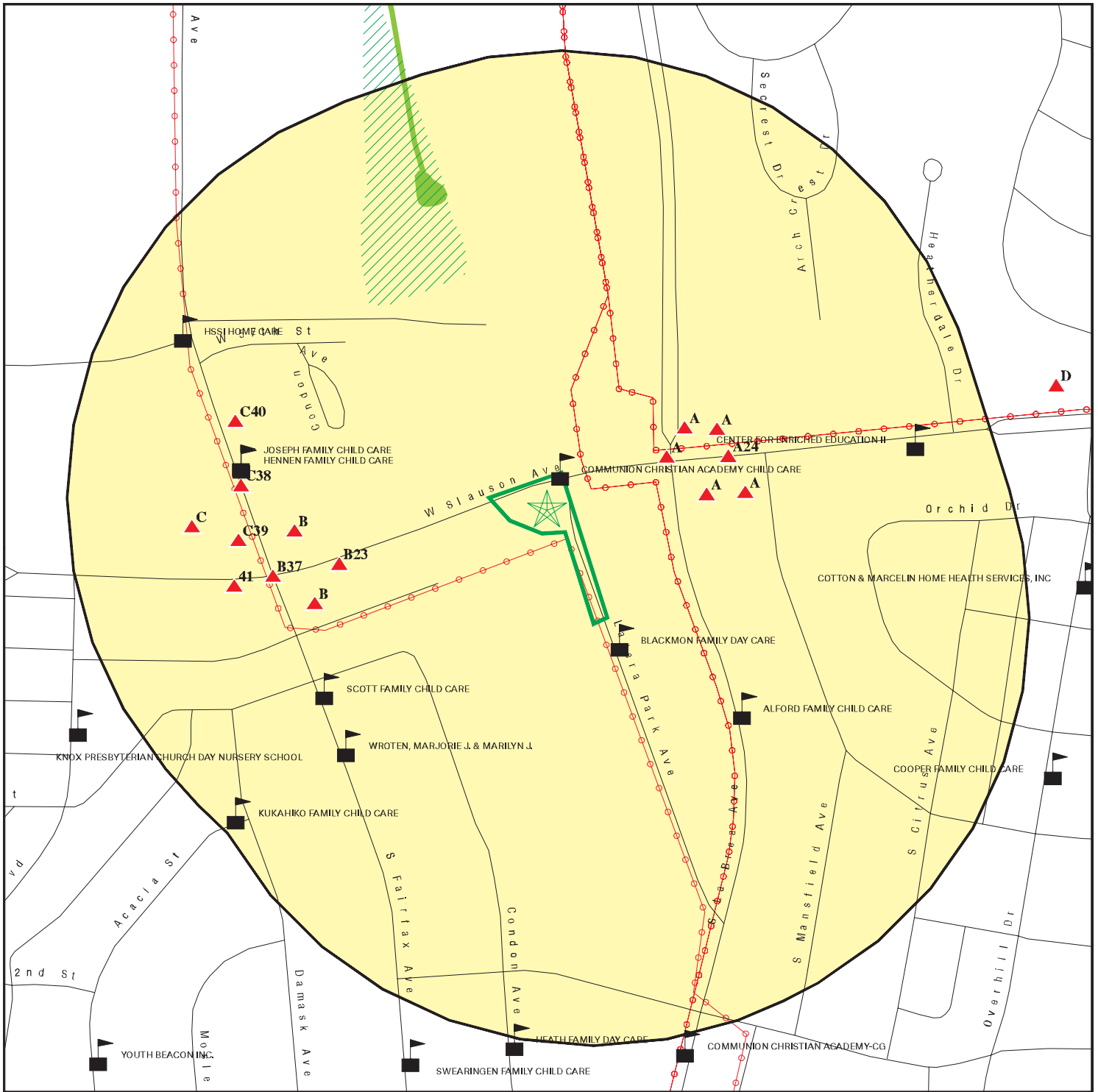









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.








SITE NAME: Ladera Park Stormwater Capture Project
 ADDRESS: 6027 Ladera Park Avenue
 Los Angeles CA 90056
 LAT/LONG: 33.98816 / 118.359837

CLIENT: Aspen Environmental Group
 CONTACT: Lisa Blewitt
 INQUIRY #: 5017765.2s
 DATE: August 09, 2017 2:12 pm

DETAIL MAP - 5017765.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ladera Park Stormwater Capture Project
 ADDRESS: 6027 Ladera Park Avenue
 Los Angeles CA 90056
 LAT/LONG: 33.98816 / 118.359837

CLIENT: Aspen Environmental Group
 CONTACT: Lisa Blewitt
 INQUIRY #: 5017765.2s
 DATE: August 09, 2017 2:18 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	1	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	0	0	2	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		4	1	3	NR	NR	8

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		5	0	NR	NR	NR	5
AST	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		8	3	NR	NR	NR	11
HIST UST	0.250		10	2	NR	NR	NR	12
CA FID UST	0.250		2	0	NR	NR	NR	2
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	0	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
ENE
< 1/8
0.055 mi.
290 ft.

LEES MOBILE
4700 W SLAUSON AVE
LOS ANGELES, CA 90056

Site 1 of 25 in cluster A

EDR Hist Auto **1008996278**
N/A

Relative:
Higher

EDR Hist Auto

Actual:
243 ft.

Year:	Name:	Type:
1993	LEES MOBILE	Gasoline Service Stations
1994	LEE'S MOBILE	Not reported
1994	LEES MOBILE	Gasoline Service Stations
1995	LEES MOBILE	Gasoline Service Stations
1996	LEES MOBILE	Gasoline Service Stations
2007	UNITED OIL	Gasoline Service Stations
2008	UNITED OIL	Gasoline Service Stations

A2
ENE
< 1/8
0.055 mi.
290 ft.

MOBIL #11-GGG
4700 SLAUSON AVE W
LOS ANGELES, CA 90056

Site 2 of 25 in cluster A

LUST **S104406563**
HIST CORTESE **N/A**

Relative:
Higher

LUST:

Actual:
243 ft.

Region:	STATE
Global Id:	T0603748120
Latitude:	33.988024
Longitude:	-118.358868
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/23/2015
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JR
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	I-05200A
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0603748120
Contact Type:	Regional Board Caseworker
Contact Name:	JAMES RYAN
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	West 4th Street, Suite 200
City:	LOS ANGELES
Email:	jamesw.ryan@waterboards.ca.gov
Phone Number:	2135766711

Global Id:	T0603748120
Contact Type:	Local Agency Caseworker
Contact Name:	TIM SMITH
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	tsmith@dpw.lacounty.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Phone Number: Not reported

Status History:

Global Id: T0603748120
Status: Completed - Case Closed
Status Date: 10/23/2015

Global Id: T0603748120
Status: Open - Case Begin Date
Status Date: 04/08/2005

Global Id: T0603748120
Status: Open - Eligible for Closure
Status Date: 01/08/2013

Global Id: T0603748120
Status: Open - Eligible for Closure
Status Date: 07/03/2015

Global Id: T0603748120
Status: Open - Remediation
Status Date: 09/27/2010

Global Id: T0603748120
Status: Open - Remediation
Status Date: 06/05/2013

Global Id: T0603748120
Status: Open - Site Assessment
Status Date: 04/08/2005

Global Id: T0603748120
Status: Open - Site Assessment
Status Date: 02/09/2009

Global Id: T0603748120
Status: Open - Verification Monitoring
Status Date: 09/12/2014

Regulatory Activities:

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 08/14/2015
Action: Email Correspondence

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603748120
Action Type: RESPONSE
Date: 12/15/2014
Action: Soil and Water Investigation Report

Global Id: T0603748120

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Action Type:	ENFORCEMENT
Date:	02/09/2009
Action:	Staff Letter
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	02/29/2008
Action:	Well Installation Report
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	11/05/2010
Action:	Other Report / Document
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	01/15/2009
Action:	Conceptual Site Model
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	01/15/2011
Action:	CAP/RAP - Other Report
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	10/16/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	10/02/2008
Action:	CAP/RAP - Feasibility Study Report
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	04/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	04/23/2015
Action:	Remedial Progress Report
Global Id:	T0603748120
Action Type:	RESPONSE
Date:	02/14/2007
Action:	Other Report / Document
Global Id:	T0603748120
Action Type:	ENFORCEMENT
Date:	06/10/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Action: Notification - Preclosure

Global Id: T0603748120
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603748120
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603748120
Action Type: RESPONSE
Date: 08/11/2010
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603748120
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603748120
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 01/17/2007
Action: Rescission of Enforcement Action

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 10/23/2015
Action: Closure/No Further Action Letter

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Global Id: T0603748120
Action Type: RESPONSE
Date: 02/10/2014
Action: Remedial Investigation Workplan - Regulator Responded

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 09/27/2010
Action: Staff Letter

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 03/05/2014
Action: Staff Letter

Global Id: T0603748120
Action Type: Other
Date: 04/08/2005
Action: Leak Reported

Global Id: T0603748120
Action Type: RESPONSE
Date: 05/15/2009
Action: Pilot Study/ Treatability Report

Global Id: T0603748120
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2014
Action: Remedial Progress Report

Global Id: T0603748120
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603748120
Action Type: RESPONSE
Date: 10/15/2013
Action: Remedial Progress Report

Global Id: T0603748120
Action Type: RESPONSE
Date: 06/15/2014
Action: Interim Remedial Action Report

Global Id: T0603748120
Action Type: RESPONSE
Date: 03/11/2014
Action: Other Workplan - Regulator Responded

Global Id: T0603748120
Action Type: RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Date: 03/05/2014
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0603748120
Action Type: RESPONSE
Date: 04/23/2015
Action: Request for Closure - Regulator Responded

Global Id: T0603748120
Action Type: RESPONSE
Date: 10/06/2015
Action: Well Destruction Report - Regulator Responded

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 08/17/2006
Action: Staff Letter

Global Id: T0603748120
Action Type: ENFORCEMENT
Date: 09/12/2014
Action: Staff Letter

Global Id: T0603748120
Action Type: Other
Date: 04/08/2005
Action: Leak Discovery

Global Id: T0603748120
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603748120
Action Type: RESPONSE
Date: 03/11/2014
Action: Pilot Study / Treatability Workplan

Global Id: T0603748120
Action Type: REMEDIATION
Date: 01/09/2013
Action: Soil Vapor Extraction (SVE)

Region: STATE
Global Id: T0603703048
Latitude: 33.988024
Longitude: -118.358868
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/25/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-05200
LOC Case Number: Not reported
File Location: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603703048
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703048
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603703048
Status: Completed - Case Closed
Status Date: 10/25/1996

Global Id: T0603703048
Status: Open - Case Begin Date
Status Date: 05/04/1988

Global Id: T0603703048
Status: Open - Site Assessment
Status Date: 05/04/1988

Global Id: T0603703048
Status: Open - Site Assessment
Status Date: 09/18/1991

Global Id: T0603703048
Status: Open - Site Assessment
Status Date: 01/16/1992

Regulatory Activities:

Global Id: T0603703048
Action Type: Other
Date: 09/17/1991
Action: Leak Discovery

Global Id: T0603703048
Action Type: Other
Date: 09/18/1991
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Global Id: T0603703048
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-05200
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603703048
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: LA BREA AVE
Enforcement Type: Not reported
Date Leak Discovered: 9/17/1991
Date Leak First Reported: 9/18/1991
Date Leak Record Entered: 12/19/1991
Date Confirmation Began: 9/18/1991
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/20/1996
Date the Case was Closed: 10/25/1996
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7149.1411062922126101670144681
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 5/4/1988
Preliminary Site Assessment Began: 1/16/1992
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MOBIL OIL CORPORATION
RP Address: 3700 W 190TH ST, TPT2, TORRANCE CA 90509
Program: LUST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #11-GGG (Continued)

S104406563

Lat/Long: 33.9884109 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 12/20/96 - WELL ABANDONMENT REPORT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-05200

A3 **UNITED OIL CO #03**
ENE **4700 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.055 mi.
290 ft. **Site 3 of 25 in cluster A**

UST **U003942594**
N/A

Relative:
Higher

UST:
Facility ID: LACoFA0033493
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.98803
Longitude: -118.35887

Actual:
243 ft.

Facility ID: 25439
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.98938
Longitude: -118.357523

A4 **MOBIL OIL CORP**
ENE **4700 W SLAUSON AVE**
< 1/8 **MARINA DEL REY, CA**
0.055 mi.
290 ft. **Site 4 of 25 in cluster A**

SWEEPS UST **S106929494**
N/A

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 5200
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005200-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Actual:
243 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL OIL CORP (Continued)

S106929494

Status: Active
Comp Number: 5200
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005200-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5200
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005200-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5200
Number: 9
Board Of Equalization: 44-000400
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005200-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5
ENE
< 1/8
0.055 mi.
290 ft.

HAN YOUNG LEE
4700 W SLAUSON AVE
LOS ANGELES, CA 90056

Site 5 of 25 in cluster A

HIST UST **U001562001**
N/A

Relative:
Higher

HIST UST:

File Number: 00027CBB
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027CBB.pdf>
Region: STATE
Facility ID: 00000039717
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2132936755
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Actual:
243 ft.

Tank Num: 001
Container Num: 2
Year Installed: 1982
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 4
Year Installed: 1982
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: 1982
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 1
Year Installed: 1963
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A6 CHEVRON U S A INC.
ENE 4701 W SLAUSON AVE
< 1/8 LOS ANGELES, CA 90011
0.062 mi.
330 ft. Site 6 of 25 in cluster A

SWEEPS UST U001561998
HIST UST N/A

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 8302
Number: 1
Board Of Equalization: Not reported
Referral Date: 09-23-93
Action Date: 09-23-93
Created Date: 09-23-93
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Actual:
244 ft.

HIST UST:
File Number: 00026BB5
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026BB5.pdf>
Region: STATE
Facility ID: 00000061762
Facility Type: Gas Station
Other Type: Not reported
Contact Name: MERHIB, SROUR A
Telephone: 2132991292
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1968
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1968

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CHEVRON U S A INC. (Continued)

U001561998

Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: Not reported
 Container Construction Thickness: 0000250
 Leak Detection: Stock Inventor

Tank Num: 004
 Container Num: 4
 Year Installed: 1968
 Tank Capacity: 00001000
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Container Construction Thickness: 0000130
 Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

**A7
 ENE
 < 1/8
 0.062 mi.
 330 ft.**

**LA BREA GAS
 4701 W SLAUSON AVE
 LOS ANGELES, CA 90056
 Site 7 of 25 in cluster A**

**UST U003776146
 N/A**

**Relative:
 Higher
 Actual:
 244 ft.**

UST:
 Facility ID: LACoFA0025234
 Permitting Agency: Los Angeles County Fire Department
 Latitude: 33.98885
 Longitude: -118.35901

 Facility ID: 23779
 Permitting Agency: LOS ANGELES, CITY OF
 Latitude: 33.990251
 Longitude: -118.35767

**A8
 ENE
 < 1/8
 0.062 mi.
 330 ft.**

**LA BREA GAS
 4701 W SLAUSON AVE
 LOS ANGELES, CA 90056
 Site 8 of 25 in cluster A**

**RCRA NonGen / NLR 1000596120
 FINDS CAD983600834
 ECHO**

**Relative:
 Higher
 Actual:
 244 ft.**

RCRA NonGen / NLR:
 Date form received by agency: 03/13/2013
 Facility name: CHEVRON 90241
 Facility address: 4701 W SLAUSON AVE
 LOS ANGELES, CA 90056
 EPA ID: CAD983600834
 Mailing address: PO BOX 6004
 SAN RAMON, CA 94583
 Contact: KATHY NORRIS SLUSHER
 Contact address: PO BOX 6004
 SAN RAMON, CA 94583
 Contact country: US
 Contact telephone: 877-386-6044
 Contact email: NAWTDESK@CHEVRON.COM
 EPA Region: 09
 Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA BREA GAS (Continued)

1000596120

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: CHEVRON USA
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: 877-386-6044
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/30/2011
Owner/Op end date: Not reported

Owner/operator name: KATHY NORRIS SLUSHER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/30/2011
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/16/2002
Site name: CHEVRON STATION 90241
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055756971

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA BREA GAS (Continued)

1000596120

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000596120
 Registry ID: 110055756971
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110055756971>

A9
ENE
< 1/8
0.062 mi.
330 ft.

KIM JOHN
4701 W SLAUSEN AVE
LOS ANGELES, CA 90056
Site 9 of 25 in cluster A

EDR Hist Auto 1008996166
N/A

Relative:
Higher

EDR Hist Auto

Actual:
244 ft.

Year:	Name:	Type:
1969	DUHE HERBERT J	Gasoline Service Stations
1970	DUHE HERBERT J	Gasoline Service Stations
1971	HEHN MICHAEL	Gasoline Service Stations
1972	HEHN MICHAEL	Gasoline Service Stations
1973	HEHN MICHAEL	Gasoline Service Stations
1974	HEHN MICHAEL	Gasoline Service Stations
1975	HEHN MICHAEL	Gasoline Service Stations
1976	HEHN MICHAEL	Gasoline Service Stations
1985	GIBLERS CHEVRON	Gasoline Service Stations
1986	GIBLERS CHEVRON	Gasoline Service Stations
1987	GIBLERS CHEVRON	Gasoline Service Stations
1988	GIBLERS CHEVRON	Gasoline Service Stations
1989	KIM JOHN	Gasoline Service Stations, NEC
1989	KIMS GAS & FOOD MART	Gasoline Service Stations
1989	KIMS SERVICE STATION	Gasoline Service Stations
1989	GIBLERS CHEVRON	Gasoline Service Stations
1990	KIM JOHN	Gasoline Service Stations, NEC
1990	GIBLERS CHEVRON	Gasoline Service Stations
1991	KIMS GAS & FOOD MART	Gasoline Service Stations
1991	GIBLERS CHEVRON	Gasoline Service Stations
1991	KIM JOHN	Gasoline Service Stations, NEC
1991	KIMS SERVICE STATION	Gasoline Service Stations
1992	KIMS GAS & FOOD MART	Gasoline Service Stations
1992	GIBLERS CHEVRON	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KIM JOHN (Continued)

1008996166

1992	KIM JOHN	Gasoline Service Stations, NEC
1992	KIMS SERVICE STATION	Gasoline Service Stations
1993	BALDWIN HILLS CHEVRON	Gasoline Service Stations, NEC
1993	KIMS SERVICE STATION	Gasoline Service Stations
1993	KIMS GAS & FOOD MART	Gasoline Service Stations
1993	GIBLERS CHEVRON	Gasoline Service Stations
1994	BALDWIN HILLS CHEVRON SERVICE	Not reported
1994	KIMS SERVICE STATION	Gasoline Service Stations
1994	BALDWIN HILLS CHEVRON	Gasoline Service Stations, NEC
1995	BALDWIN HILLS CHEVRON	Gasoline Service Stations, NEC
1995	KIMS SERVICE STATION	Gasoline Service Stations
1996	KIMS SERVICE STATION	Gasoline Service Stations
1996	BALDWIN HILLS CHEVRON	Gasoline Service Stations, NEC
1997	BALDWIN HILLS CHEVRON	Gasoline Service Stations, NEC
1997	KIMS SERVICE STATION	Gasoline Service Stations
1998	KIM JOHN I	Gasoline Service Stations, NEC
1998	KIMS SERVICE STATION	Gasoline Service Stations
1999	KIM JOHN I	Gasoline Service Stations, NEC
1999	KIMS SERVICE STATION	Gasoline Service Stations
2000	KIMS SERVICE STATION	Gasoline Service Stations
2000	KIM JOHN I	Gasoline Service Stations, NEC
2001	KIM JOHN I	Gasoline Service Stations, NEC
2001	BOLTON HILL CHERON	Gasoline Service Stations
2002	KIM JOHN I	Gasoline Service Stations, NEC
2002	BOLTON HILL CHERON	Gasoline Service Stations
2003	BOLTON HILL CHERON	Gasoline Service Stations
2003	KIM JOHN I	Gasoline Service Stations, NEC
2004	BOLTON HILL CHEVRON	Gasoline Service Stations
2004	KIM JOHN I	Gasoline Service Stations, NEC
2005	BOLTON HILL CHEVRON	Gasoline Service Stations
2005	KIM JOHN I	Gasoline Service Stations, NEC
2006	BOLTON HILL CHEVRON	Gasoline Service Stations
2006	KIM JOHN I	Gasoline Service Stations, NEC
2007	KIM JOHN I	Gasoline Service Stations, NEC
2007	BOLTON HILL CHEVRON	Gasoline Service Stations
2008	KIM JOHN I	Gasoline Service Stations, NEC
2008	BOLTON HILL CHEVRON	Gasoline Service Stations
2009	KIM JOHN I	Gasoline Service Stations, NEC
2009	BOLTON HILL CHEVRON	Gasoline Service Stations
2010	BOLTON HILL CHEVRON	Gasoline Service Stations
2010	KIM JOHN I	Gasoline Service Stations, NEC
2011	BOLTON HILL CHEVRON	Gasoline Service Stations
2011	KIM JOHN I	Gasoline Service Stations, NEC
2012	KIM JOHN I	Gasoline Service Stations, NEC
2012	BOLTON HILL CHEVRON	Gasoline Service Stations
2013	KIM JOHN I	Gasoline Service Stations, NEC
2013	BOLTON HILL CHEVRON	Gasoline Service Stations
2014	4701 SLAUSON INC	Gasoline Service Stations
2014	KIM JOHN I	Gasoline Service Stations, NEC
2014	BOLTON HILL CHEVRON	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A10
ENE
< 1/8
0.064 mi.
338 ft.

CHEVRON USA SS # 0241
4701 W SLAUSON AVE
MARINA DEL REY, CA

SWEEPS UST S106924387
N/A

Site 10 of 25 in cluster A

Relative:
Higher

SWEEPS UST:

Actual:
244 ft.

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 8

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON USA SS # 0241 (Continued)

S106924387

Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-006551-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 6551
Number: 9
Board Of Equalization: 44-008102
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CHEVRON USA SS # 0241 (Continued)

S106924387

Owner Tank Id: Not reported
 SWRCB Tank Id: 19-000-006551-000007
 Tank Status: A
 Capacity: Not reported
 Active Date: 06-30-89
 Tank Use: UNKNOWN
 STG: W
 Content: Not reported
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 6551
 Number: 9
 Board Of Equalization: 44-008102
 Referral Date: 06-30-89
 Action Date: Not reported
 Created Date: 06-30-89
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-000-006551-000008
 Tank Status: A
 Capacity: Not reported
 Active Date: 06-30-89
 Tank Use: UNKNOWN
 STG: W
 Content: Not reported
 Number Of Tanks: Not reported

A11
ENE
< 1/8
0.078 mi.
411 ft.

RAYALL EXXON SERVICE
5646 S LA BREA AVE
LOS ANGELES, CA 90056

EDR Hist Auto 1020823395
N/A

Site 11 of 25 in cluster A

Relative:
Higher

EDR Hist Auto

Actual:
246 ft.

Year:	Name:	Type:
1971	MILLER LEROY	Gasoline Service Stations
1972	MILLER LEROY	Gasoline Service Stations
1973	MILLER LEROY	Gasoline Service Stations
1974	MILLER LEROY	Gasoline Service Stations
1974	RAYALL EXXON SERVICE	Gasoline Service Stations
1975	RAYALL EXXON SERVICE	Gasoline Service Stations
1975	MILLER LEROY	Gasoline Service Stations
1976	RAYALL EXXON SERVICE	Gasoline Service Stations
1977	RAYALL EXXON SERVICE	Gasoline Service Stations
1978	RAYALL EXXON SERVICE	Gasoline Service Stations
1979	RAYALL EXXON SERVICE	Gasoline Service Stations
1980	RAYALL EXXON SERVICE	Gasoline Service Stations
1982	RAYALL EXXON SERVICE	Gasoline Service Stations
1983	RAYALL EXXON SERVICE	Gasoline Service Stations
1986	NINO S EXXON	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A12 **EXXON #7-3698**
ENE **5646 LA BREA AVE S**
< 1/8 **MARINA DEL REY, CA 90056**
0.078 mi.
411 ft. **Site 12 of 25 in cluster A**

LUST **S103065558**
SWEEPS UST **N/A**

Relative:
Higher

LUST:

Actual:
246 ft.

Region: STATE
Global Id: T0603702656
Latitude: 33.9895039
Longitude: -118.3582894
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/29/1998
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: Not reported
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-00035
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603702656
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Status History:

Global Id: T0603702656
Status: Completed - Case Closed
Status Date: 10/29/1998

Global Id: T0603702656
Status: Open - Case Begin Date
Status Date: 11/10/1985

Global Id: T0603702656
Status: Open - Remediation
Status Date: 08/11/1992

Global Id: T0603702656
Status: Open - Remediation
Status Date: 12/21/1993

Global Id: T0603702656
Status: Open - Site Assessment
Status Date: 11/10/1985

Global Id: T0603702656
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON #7-3698 (Continued)

S103065558

Status Date: 04/07/1987

Global Id: T0603702656
Status: Open - Site Assessment
Status Date: 01/29/1992

Global Id: T0603702656
Status: Open - Site Assessment
Status Date: 05/10/1992

Regulatory Activities:

Global Id: T0603702656
Action Type: Other
Date: 11/10/1985
Action: Leak Discovery

Global Id: T0603702656
Action Type: Other
Date: 02/06/1986
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-00035
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: EDVE
Global ID: T0603702656
W Global ID: Not reported
Staff: MSH
Local Agency: 19000
Cross Street: SLAUSON AVE
Enforcement Type: Not reported
Date Leak Discovered: 11/10/1985
Date Leak First Reported: 2/6/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 11/10/1985
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/31/1998
Date the Case was Closed: 10/29/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7552.8134740142252165247352086
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 4/7/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON #7-3698 (Continued)

S103065558

Preliminary Site Assessment Began: 1/29/1992
Pollution Characterization Began: 5/10/1992
Remediation Plan Submitted: 8/11/1992
Remedial Action Underway: 12/21/1993
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 700
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: EXXON COMPANY, U.S.A.
RP Address: P.O. BOX 4032, CONCORD, CA 94524-4032
Program: LUST
Lat/Long: 33.9895039 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: QUARTERLY GW AND SVE RPT 09/01/98 -
REQUEST FOR SITE CLOSURE 09/30/98 - 3RD QTR
MON RPT 1998 12/11/98 - WELL DESTRUCTION
REPORT

SWEEPS UST:

Status: Active
Comp Number: 35
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

A13
ENE
< 1/8
0.078 mi.
411 ft.

EXXON SERVICE STATION
5646 LA BREA
LOS ANGELES, CA 90056

Site 13 of 25 in cluster A

HIST UST S105024640
HIST CORTESE N/A

Relative:
Higher

HIST UST:
File Number: 00026614
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026614.pdf>

Actual:
246 ft.

Region: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXXON SERVICE STATION (Continued)

S105024640

Facility ID: Not reported
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: Not reported
 Telephone: Not reported
 Owner Name: Not reported
 Owner Address: Not reported
 Owner City,St,Zip: Not reported
 Total Tanks: Not reported

Tank Num: Not reported
 Container Num: Not reported
 Year Installed: Not reported
 Tank Capacity: Not reported
 Tank Used for: Not reported
 Type of Fuel: Not reported
 Container Construction Thickness: Not reported
 Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: I-00035

**A14
 ENE
 < 1/8
 0.078 mi.
 411 ft.**

**EXXON SERVICE STATION
 5646 S LA BREA AVE
 LOS ANGELES, CA 90056**

**HIST UST U001561999
 N/A**

Site 14 of 25 in cluster A

**Relative:
 Higher**

HIST UST:

File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000029470
 Facility Type: Gas Station
 Other Type: Not reported
 Contact Name: RABADI & NINO
 Telephone: 2132948117
 Owner Name: EXXON COMPANY U.S.A.
 Owner Address: 16945 NORTHCHASE BLVD.
 Owner City,St,Zip: HOUSTON, TX 77210
 Total Tanks: 0004

**Actual:
 246 ft.**

Tank Num: 001
 Container Num: 1
 Year Installed: 1971
 Tank Capacity: 00006000
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON SERVICE STATION (Continued)

U001561999

Container Num: #2
Year Installed: 1971
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1971
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

A15 **YOUNG K KIM**
East **4660 SLAUSON**
< 1/8 **LOS ANGELES, CA 90043**
0.078 mi.
413 ft. **Site 15 of 25 in cluster A**

LUST **U003061123**
HIST UST **N/A**
HIST CORTESE
LOS ANGELES CO. HMS

Relative:
Higher

LUST:
Region: STATE
Global Id: T0603704671
Latitude: 33.9884689
Longitude: -118.3578814
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/01/2014
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AT
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-05198
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
247 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:
Global Id: T0603704671
Contact Type: Local Agency Caseworker
Contact Name: ALBERTO GRAJEDA
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOUNG K KIM (Continued)

U003061123

City: ALHAMBRA
Email: algrajeda@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603704671
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Status History:

Global Id: T0603704671
Status: Completed - Case Closed
Status Date: 07/01/2014

Global Id: T0603704671
Status: Open - Case Begin Date
Status Date: 05/01/1986

Global Id: T0603704671
Status: Open - Eligible for Closure
Status Date: 06/28/2013

Global Id: T0603704671
Status: Open - Site Assessment
Status Date: 04/06/1993

Regulatory Activities:

Global Id: T0603704671
Action Type: ENFORCEMENT
Date: 09/10/2011
Action: Referral to Regional Board

Global Id: T0603704671
Action Type: RESPONSE
Date: 12/16/2011
Action: Other Report / Document

Global Id: T0603704671
Action Type: ENFORCEMENT
Date: 10/22/1996
Action: File review

Global Id: T0603704671
Action Type: ENFORCEMENT
Date: 02/28/2014
Action: Notification - Preclosure

Global Id: T0603704671
Action Type: ENFORCEMENT
Date: 11/16/2011
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOUNG K KIM (Continued)

U003061123

Global Id: T0603704671
Action Type: Other
Date: 05/01/1986
Action: Leak Discovery

Global Id: T0603704671
Action Type: Other
Date: 05/01/1986
Action: Leak Reported

Global Id: T0603704671
Action Type: ENFORCEMENT
Date: 07/01/2014
Action: Closure/No Further Action Letter

Global Id: T0603704671
Action Type: RESPONSE
Date: 04/28/2014
Action: Correspondence

Global Id: T0603704671
Action Type: REMEDIATION
Date: 07/01/2004
Action: Excavation

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-05198
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704671
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: LA BREA AVE
Enforcement Type: Not reported
Date Leak Discovered: 5/1/1986
Date Leak First Reported: 5/1/1986
Date Leak Record Entered: 7/11/1997
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/30/1997
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOUNG K KIM (Continued)

U003061123

Approx. Dist To Production Well (ft): 7191.8984671685041831893102162
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/6/1993
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SHELL OIL PRODUCTS CO
RP Address: Not reported
Program: LUST
Lat/Long: 33.9884689 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST UST:

File Number: 00028502
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028502.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

Region: CORTESE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOUNG K KIM (Continued)

U003061123

Facility County Code: 19
Reg By: LTNKA
Reg Id: R-05198

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 005009-005198
Facility Type: 0
Facility Status: Closed
Area: 25
Permit Number: 00000568T
Permit Status: Closed

Region: LA
Permit Category: I
Facility Id: 005009-I05198
Facility Type: 01
Facility Status: Closed
Area: 25
Permit Number: 00003348C
Permit Status: Closed

A16
East
< 1/8
0.078 mi.
413 ft.

TESORO (SHELL) 68557
4660 W SLAUSON AVE
LOS ANGELES, CA 90043
Site 16 of 25 in cluster A

RCRA-SQG 1005441236
FINDS CAR000116996
ECHO
HAZNET

Relative:
Higher

RCRA-SQG:

Date form received by agency: 05/21/2002
Facility name: SHELL SERVICE STATION
Facility address: 4660 W SLAUSON
S A P 135553
LOS ANGELES, CA 90043
EPA ID: CAR000116996
Mailing address: P O BOX 2648
HOUSTON, TX 772522648
Contact: SANDRA BIENVENU
Contact address: P O BOX 2648
HOUSTON, TX 772522648
Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
247 ft.

Owner/Operator Summary:

Owner/operator name: EQUILON ENT LLC DBA S O P US
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESORO (SHELL) 68557 (Continued)

1005441236

Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110055900486

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1005441236
Registry ID: 110055900486

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESORO (SHELL) 68557 (Continued)

1005441236

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110055900486>

HAZNET:

envid: 1005441236
Year: 2004
GEPaid: CAR000116996
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1005441236
Year: 2003
GEPaid: CAR000116996
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1005441236
Year: 2002
GEPaid: CAR000116996
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESORO (SHELL) 68557 (Continued)

1005441236

envid: 1005441236
Year: 2002
GEPaid: CAR000116996
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Tank bottom waste
Disposal Method: Treatment, Tank
Tons: 0.65
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1005441236
Year: 2002
GEPaid: CAR000116996
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 0.11
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

A17
East
< 1/8
0.078 mi.
413 ft.

TESORO (SHELL) 68557
4660 W SLAUSON AVE
LOS ANGELES, CA 90043
Site 17 of 25 in cluster A

AST A100425191
N/A

Relative:
Higher

AST:

Actual:
247 ft.

Certified Unified Program Agencies: Not reported
Owner: TESORO SOUTH COAST COMPANY LLC
Total Gallons: Not reported
CERSID: 10292464
Facility ID: LACoFA0025144
Business Name: Tesoro Refining and Marketing Company LLC
Phone: 323-293-1750
Fax: Not reported
Mailing Address: RETAIL ENVIRONMENTAL: 19100 RIDGEWOOD PKWY, MS: TX1-022
Mailing Address City: SAN ANTONIO
Mailing Address State: TX
Mailing Address Zip Code: 78259

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESORO (SHELL) 68557 (Continued)

A100425191

Operator Name: TESORO REFINING & MARKETING COMPANY LLC
Operator Phone: 210-626-4994
Owner Phone: 210-626-4994
Owner Mail Address: RETAIL ENVIRONMENTAL: 19100 RIDGEWOOD PKWY, MS: TX1-022
Owner State: TX
Owner Zip Code: 78259
Owner Country: United States
Property Owner Name: TESORO SOUTH COAST COMPANY LLC
Property Owner Phone: 210-626-4994
Property Owner Mailing Address: RETAIL ENVIRONMENTAL: 19100 RIDGEWOOD PKWY, MS: TX1-022
Property Owner City: SAN ANTONIO
Property Owner Stat : TX
Property Owner Zip Code: 78259
Property Owner Country: United States
EPAID: CAL000321682

A18
East
< 1/8
0.078 mi.
413 ft.

YOUNG K. KIM
4660 W SLAUSON AVE
LOS ANGELES, CA 90043
Site 18 of 25 in cluster A

HIST UST **U001561746**
N/A

Relative:
Higher

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000017080
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2132924959
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803
Total Tanks: 0004

Actual:
247 ft.

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2
Year Installed: 1973
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 3
Year Installed: 1982
Tank Capacity: 00005000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YOUNG K. KIM (Continued)

U001561746

Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 004
Container Num: 4
Year Installed: 1982
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

A19
East
< 1/8
0.078 mi.
413 ft.

4660 W SLAUSON AVE
LOS ANGELES, CA 90043

EDR Hist Auto 1008996274
N/A

Site 19 of 25 in cluster A

Relative:
Higher

EDR Hist Auto

Actual:
247 ft.

Year:	Name:	Type:
1942	HOLLOMAN I B	GASOLINE AND OIL SERVICE STATIONS
1986	YOUNG KIM SHELL STATION	Gasoline Service Stations
1986	YOUNG KIM SHELL STATION	Gasoline Service Stations
1987	YOUNG KIM SHELL STATION	Gasoline Service Stations
1987	YOUNG KIM SHELL STATION	Gasoline Service Stations
1988	YOUNG KIM SHELL STATION	Gasoline Service Stations
1990	SUNSET SHELL	Gasoline Service Stations
1991	SUNSET SHELL	Gasoline Service Stations
1994	LADERA SHELL FOOD MART	Not reported
1994	LADERA SHELL FOOD MART	Gasoline Service Stations
1995	LADERA SHELL FOOD MART	Gasoline Service Stations
1996	LADERA SHELL FOOD MART	Gasoline Service Stations
1997	LADERA SHELL FOOD MART	Gasoline Service Stations
1998	LADERA SHELL FOOD MART	Gasoline Service Stations
2004	ALEX JOHN SHELL STATION	Gasoline Service Stations
2004	PACIFIC FUEL COMPANY LLC	Gasoline Service Stations
2005	PACIFIC FUEL COMPANY LLC	Gasoline Service Stations, NEC
2006	PACIFIC FUEL COMPANY LLC	Gasoline Service Stations, NEC

A20
East
< 1/8
0.078 mi.
413 ft.

TESORO (SHELL) 68557
4660 W SLAUSON AVE
LOS ANGELES, CA 90043

UST U003777959
N/A

Site 20 of 25 in cluster A

Relative:
Higher

UST:

Facility ID: LACoFA0025144
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.98828
Longitude: -118.35818

Actual:
247 ft.

Facility ID: 26301
Permitting Agency: LOS ANGELES, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TESORO (SHELL) 68557 (Continued)

U003777959

Latitude: 33.98859
Longitude: -118.35798

**A21
ENE
< 1/8
0.096 mi.
505 ft.**

**SLAUSON GAS STATION INC
4661 W SLAUSON AVE
LOS ANGELES, CA 90056**

LOS ANGELES CO. HMS

**UST U003778093
N/A**

Site 21 of 25 in cluster A

**Relative:
Higher**

UST:

Facility ID: LACoFA0025096
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.98884
Longitude: -118.35809

**Actual:
250 ft.**

Facility ID: 26657
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.9898769
Longitude: -118.3945075

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 018680-026657
Facility Type: 0
Facility Status: Closed
Area: 25
Permit Number: 000240804
Permit Status: Closed

Region: LA
Permit Category: T
Facility Id: 018680-036322
Facility Type: 0
Facility Status: Closed
Area: 25
Permit Number: 000351039
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 018680-040662
Facility Type: S5
Facility Status: Closed
Area: 25
Permit Number: 000530162
Permit Status: Closed

Region: LA
Permit Category: S
Facility Id: 018680-053408
Facility Type: S5
Facility Status: Permit
Area: 25
Permit Number: 000633180
Permit Status: Permit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A22 ARCO A M P SLAUSON & LA BREA
ENE 4661 W SLAUSON AVE
< 1/8 LOS ANGELES, CA 90043
0.096 mi.
505 ft. Site 22 of 25 in cluster A

EDR Hist Auto 1020279064
N/A

Relative: EDR Hist Auto
Higher

Actual:	Year:	Name:	Type:
250 ft.	2001	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2002	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2003	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2004	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2005	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2006	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2007	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2008	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2009	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2010	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2010	BP NORTH AMERICA	Gasoline Service Stations, NEC
	2011	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2011	BP NORTH AMERICA	Gasoline Service Stations, NEC
	2012	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2013	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations
	2014	ARCO A M P SLAUSON & LA BREA	Gasoline Service Stations, NEC

B23 UNOCAL #1812
WSW 4856 SLAUSON AVE W
< 1/8 MARINA DEL REY, CA 90056
0.097 mi.
512 ft. Site 1 of 12 in cluster B

LUST S102439872
N/A

Relative:
Higher

Actual:
259 ft.

LUST:
Region: STATE
Global Id: T0603702830
Latitude: 33.9875318
Longitude: -118.3626005
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/03/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-02103
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:
Global Id: T0603702830
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #1812 (Continued)

S102439872

Phone Number: 6264583507

Global Id: T0603702830
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603702830
Status: Completed - Case Closed
Status Date: 09/03/1996

Global Id: T0603702830
Status: Open - Case Begin Date
Status Date: 05/18/1993

Global Id: T0603702830
Status: Open - Remediation
Status Date: 02/22/1995

Global Id: T0603702830
Status: Open - Site Assessment
Status Date: 05/22/1995

Global Id: T0603702830
Status: Open - Verification Monitoring
Status Date: 03/06/1996

Regulatory Activities:

Global Id: T0603702830
Action Type: Other
Date: 05/18/1993
Action: Leak Discovery

Global Id: T0603702830
Action Type: Other
Date: 05/18/1993
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-02103
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702830

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #1812 (Continued)

S102439872

W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: FAIRFAX
Enforcement Type: Not reported
Date Leak Discovered: 5/18/1993
Date Leak First Reported: 5/18/1993
Date Leak Record Entered: 3/29/1994
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 11/20/1996
Date the Case was Closed: 9/3/1996
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 6815.7758659531266853268652656
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/22/1995
Remediation Plan Submitted: Not reported
Remedial Action Underway: 2/22/1995
Post Remedial Action Monitoring Began: 3/6/1996
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL CORP.
RP Address: 376 S. VALENCIA AVE., BREA CA 92621
Program: LUST
Lat/Long: 33.9875318 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A24
ENE
< 1/8
0.097 mi.
513 ft.

SHELL SERV STA
4660 W SLAUSON AVE
MARINA DEL REY, CA
Site 23 of 25 in cluster A

SWEEPS UST S106932116
N/A

Relative:
Higher

SWEEPS UST:

Actual:
251 ft.

Status: Active
Comp Number: 5198
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005198-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 5198
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005198-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5198
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005198-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERV STA (Continued)

S106932116

Comp Number: 5198
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005198-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

**A25
East
< 1/8
0.100 mi.
530 ft.**

**DEWEY PEST CONTROL
4642 W SLAUSON AVE
WINDSOR HILLS, CA 90045
Site 24 of 25 in cluster A**

**SWEEPS UST S106925350
N/A**

**Relative:
Higher**

SWEEPS UST:

Status: Active
Comp Number: 14730
Number: 1
Board Of Equalization: Not reported
Referral Date: 01-28-92
Action Date: 01-28-92
Created Date: 06-30-89
Owner Tank Id: 1
SWRCB Tank Id: 19-000-014730-000001
Tank Status: A
Capacity: 10000
Active Date: 01-28-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

**Actual:
259 ft.**

Status: Active
Comp Number: 14730
Number: 1
Board Of Equalization: Not reported
Referral Date: 01-28-92
Action Date: 01-28-92
Created Date: 06-30-89
Owner Tank Id: 2
SWRCB Tank Id: 19-000-014730-000002
Tank Status: A
Capacity: 10000
Active Date: 01-28-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A26
East
< 1/8
0.100 mi.
530 ft.

DEWEY PEST CONTROL
4642 W SLAUSON BLVD
LOS ANGELES, CA 90043

RCRA-SQG 1000226178
FINDS CAD981432024
ECHO

Site 25 of 25 in cluster A

Relative:
Higher

RCRA-SQG:

Actual:
259 ft.

Date form received by agency: 09/01/1996
 Facility name: DEWEY PEST CONTROL
 Facility address: 4642 W SLAUSON BLVD
 LOS ANGELES, CA 90043
 EPA ID: CAD981432024
 Mailing address: 3711 BEVERLY BLVD
 LOS ANGELES, CA 90004
 Contact: Not reported
 Contact address: Not reported
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 09
 Land type: Facility is not located on Indian land. Additional information is not known.
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported
 Owner/operator name: DEWEY SERVICES INC
 Owner/operator address: NOT REQUIRED
 NOT REQUIRED, ME 99999
 Owner/operator country: Not reported
 Owner/operator telephone: (415) 555-1212
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEWEY PEST CONTROL (Continued)

1000226178

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/30/1986
Site name: DEWEY PEST CONTROL
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/13/1994
Date achieved compliance: 07/13/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/13/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/13/1999
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002703227

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000226178
Registry ID: 110002703227
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002703227>

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B27
West
< 1/8
0.117 mi.
617 ft.

SHELL SERV STA
4859 W SLAUSON AVE
MARINA DEL REY, CA

SWEEPS UST **S101585192**
CA FID UST **N/A**

Site 2 of 12 in cluster B

Relative:
Higher

SWEEPS UST:
 Status: Active
 Comp Number: 5895
 Number: 9
 Board Of Equalization: 44-000074
 Referral Date: 06-30-89
 Action Date: Not reported
 Created Date: 06-30-89
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-000-005895-000001
 Tank Status: A
 Capacity: Not reported
 Active Date: 06-30-89
 Tank Use: UNKNOWN
 STG: W
 Content: Not reported
 Number Of Tanks: 6

Actual:
266 ft.

Status: Active
 Comp Number: 5895
 Number: 9
 Board Of Equalization: 44-000074
 Referral Date: 06-30-89
 Action Date: Not reported
 Created Date: 06-30-89
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-000-005895-000002
 Tank Status: A
 Capacity: Not reported
 Active Date: 06-30-89
 Tank Use: UNKNOWN
 STG: W
 Content: Not reported
 Number Of Tanks: Not reported

Status: Active
 Comp Number: 5895
 Number: 9
 Board Of Equalization: 44-000074
 Referral Date: 06-30-89
 Action Date: Not reported
 Created Date: 06-30-89
 Owner Tank Id: Not reported
 SWRCB Tank Id: 19-000-005895-000003
 Tank Status: A
 Capacity: Not reported
 Active Date: 06-30-89
 Tank Use: UNKNOWN
 STG: W
 Content: Not reported
 Number Of Tanks: Not reported

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERV STA (Continued)

S101585192

Comp Number: 5895
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005895-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5895
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005895-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 5895
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005895-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19020632
Regulated By: UTNKA
Regulated ID: 00003067
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERV STA (Continued)

S101585192

Mail To: Not reported
Mailing Address: 4859 W SLAUSON AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: MARINA DEL REY
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B28
West
< 1/8
0.117 mi.
617 ft.

SHELL OIL CO
4859 SLAUSON
LOS ANGELES, CA 90056

Site 3 of 12 in cluster B

HIST UST 1000288462
RCRA NonGen / NLR CAD981406051
FINDS
ECHO

Relative:
Higher

HIST UST:

Actual:
266 ft.

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000003067
Facility Type: Gas Station
Other Type: Not reported
Contact Name: GAETANO BURRASCANO
Telephone: 2132932664
Owner Name: SHELL OIL COMPANY
Owner Address: P. O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2
Year Installed: 1965
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 3
Year Installed: 1965
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL CO (Continued)

1000288462

Tank Num: 004
Container Num: 4
Year Installed: 1965
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 5
Year Installed: 1970
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

RCRA NonGen / NLR:

Date form received by agency: 10/12/2000
Facility name: SHELL OIL CO
Facility address: 4859 SLAUSON
LOS ANGELES, CA 90056
EPA ID: CAD981406051
Mailing address: P O BOX 4453
HOUSTON, TX 772104453
Contact: SONDR A BIENVENU
Contact address: 777 WALKER ST
HOUSTON, TX 77002
Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC
Owner/operator address: P O BOX 4453
HOUSTON, TX 77210
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-2258
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL CO (Continued)

1000288462

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:

Date form received by agency: 09/01/1996
Site name: SHELL OIL CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002697127

Environmental Interest/Information System

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[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000288462
Registry ID: 110002697127
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002697127>

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B29 **TOMS SHELL SERVICE**
West **4859 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.117 mi.
617 ft. **Site 4 of 12 in cluster B**

EDR Hist Auto **1021404618**
N/A

Relative: EDR Hist Auto
Higher

Actual: 266 ft.	Year:	Name:	Type:
	1974	BURRASCANO GAETAVO	Gasoline Service Stations
	1975	BURRASCANO GAETAVO	Gasoline Service Stations
	1976	BURRASCANO GAETAVO	Gasoline Service Stations
	1977	BURRASCANO GAETAVO	Gasoline Service Stations
	1978	BURRASCANO GAETAVO	Gasoline Service Stations
	1979	BURRASCANO GAETAVO	Gasoline Service Stations
	1979	BURRASCANO GAETAVO	Gasoline Service Stations
	1980	BURRASCANO GAETAVO	Gasoline Service Stations
	1982	BURRASCANO GAETAVO	Gasoline Service Stations
	1983	BURRASCANO GAETAVO	Gasoline Service Stations
	1983	TOMS SHELL SERVICE	Gasoline Service Stations
	1985	TOMS SHELL SERVICE	Gasoline Service Stations
	1986	TOMS SHELL SERVICE	Gasoline Service Stations
	1987	TOMS SHELL SERVICE	Gasoline Service Stations
	1988	TOMS SHELL SERVICE	Gasoline Service Stations
	1993	O & J SANDERS INCORPORATED	Gasoline Service Stations
	1994	O & J SANDERS INCORPORATED	Gasoline Service Stations

B30 **TOMS SHELL**
West **4859 SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.117 mi.
617 ft. **Site 5 of 12 in cluster B**

HIST UST **S113465883**
HAZNET **N/A**

Relative: HIST UST:
Higher

	File Number:	00028348
	URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028348.pdf
	Region:	Not reported
	Facility ID:	Not reported
	Facility Type:	Not reported
	Other Type:	Not reported
	Contact Name:	Not reported
	Telephone:	Not reported
	Owner Name:	Not reported
	Owner Address:	Not reported
	Owner City,St,Zip:	Not reported
	Total Tanks:	Not reported
	Tank Num:	Not reported
	Container Num:	Not reported
	Year Installed:	Not reported
	Tank Capacity:	Not reported
	Tank Used for:	Not reported
	Type of Fuel:	Not reported
	Container Construction Thickness:	Not reported
	Leak Detection:	Not reported

Click here for Geo Tracker PDF:
 HAZNET:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOMS SHELL (Continued)

S113465883

envid: S113465883
Year: 2010
GEPaid: CAL000295686
Contact: SERGIO GONZALEZ
Telephone: 3232903500
Mailing Name: Not reported
Mailing Address: 4859 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561283
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.189
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

B31 UNOCAL CORP SS 1812
WSW 4856 W SLAUSON AVE
< 1/8 LOS ANGELES, CA 90056
0.120 mi.
636 ft. Site 6 of 12 in cluster B

SWEEPS UST S101585344
CA FID UST N/A
LOS ANGELES CO. HMS

Relative:
Higher

Actual:
260 ft.

SWEEPS UST:
Status: Active
Comp Number: 2103
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002103-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 2103
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002103-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL CORP SS 1812 (Continued)

S101585344

Number Of Tanks: Not reported

Status: Active
Comp Number: 2103
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-002103-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 19023071
Regulated By: UTNKA
Regulated ID: 00003882
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 3701 WILSHIRE BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: MARINA DEL REY
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:

Region: LA
Permit Category: T
Facility Id: 002026-002103
Facility Type: 0
Facility Status: Closed
Area: 25
Permit Number: 00001385T
Permit Status: Closed

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B32 **SERVICE STATION 1812**
WSW **4856 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.120 mi.
636 ft. **Site 7 of 12 in cluster B**

HIST UST **1000166555**
N/A

Relative:
Higher

HIST UST:

File Number: Not reported
 URL: Not reported
 Region: STATE
 Facility ID: 00000003882
 Facility Type: Gas Station
 Other Type: Not reported
 Contact Name: GEORGE HANISS
 Telephone: 2132980327
 Owner Name: UNION OIL COMPANY OF CALIFORNI
 Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
 Owner City,St,Zip: LOS ANGELES, CA 90010
 Total Tanks: 0003

Actual:
260 ft.

Tank Num: 001
 Container Num: 1812-3
 Year Installed: 1983
 Tank Capacity: 00010000
 Tank Used for: PRODUCT
 Type of Fuel: DIESEL
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, Pressure Test, 10

Tank Num: 002
 Container Num: 1812-1
 Year Installed: 1983
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, Pressure Test, 10

Tank Num: 003
 Container Num: 1812-2
 Year Installed: 1983
 Tank Capacity: 00012000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor, Pressure Test, 10

B33 **UNOCAL #1812**
WSW **4856 SLAUSON**
< 1/8 **LOS ANGELES, CA 90056**
0.120 mi.
636 ft. **Site 8 of 12 in cluster B**

HIST CORTESE **S105024695**
N/A

Relative:
Higher

HIST CORTESE:

Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: I-02103

Actual:
260 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B34 **TOSCO/UNION #30406**
WSW **4856 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.120 mi.
636 ft. **Site 9 of 12 in cluster B**

UST **U003942362**
 N/A

Relative:
Higher

UST:
Facility ID: 24964
Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.988689
Longitude: -118.360883

Actual:
260 ft.

Facility ID: LACoFA0025243
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.98734
Longitude: -118.36223

B35 **UNOCAL 76**
WSW **4856 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.120 mi.
636 ft. **Site 10 of 12 in cluster B**

EDR Hist Auto **1020764453**
 N/A

Relative:
Higher

EDR Hist Auto

Actual:
260 ft.

Year:	Name:	Type:
1986	UNOCAL 76	Gasoline Service Stations
1987	UNOCAL 76	Gasoline Service Stations
1988	UNOCAL 76	Gasoline Service Stations
1989	UNOCAL 76	Gasoline Service Stations
1990	UNOCAL 76	Gasoline Service Stations
1991	UNOCAL 76	Gasoline Service Stations
1992	UNOCAL 76	Gasoline Service Stations
1993	UNOCAL 76	Gasoline Service Stations
1994	UNOCAL 76	Gasoline Service Stations
1995	UNOCAL 76	Gasoline Service Stations
1996	UNOCAL 76	Gasoline Service Stations
1997	UNOCAL 76	Gasoline Service Stations
1998	UNOCAL 76	Gasoline Service Stations
2008	SLAUSON 76	Gasoline Service Stations
2009	SLAUSON 76	Gasoline Service Stations
2010	SLAUSON 76	Gasoline Service Stations
2011	SLAUSON 76	Gasoline Service Stations
2012	SLAUSON 76	Gasoline Service Stations
2013	SLAUSON 76	Gasoline Service Stations
2014	SLAUSON 76	Gasoline Service Stations

B36 **SLAUSON 76**
WSW **4856 W SLAUSON AVE**
< 1/8 **LOS ANGELES, CA 90056**
0.120 mi.
636 ft. **Site 11 of 12 in cluster B**

HIST UST **S113130877**
HAZNET **N/A**

Relative:
Higher

HIST UST:
File Number: 00028F2A
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028F2A.pdf>
Region: Not reported
Facility ID: Not reported

Actual:
260 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SLAUSON 76 (Continued)

S113130877

Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

HAZNET:

envid: S113130877
Year: 2011
GEPID: CAL000279627
Contact: ENVIRONMENTAL MGR
Telephone: 6264971826
Mailing Name: Not reported
Mailing Address: 4856 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900560000
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113130877
Year: 2008
GEPID: CAL000279627
Contact: ENVIRONMENTAL MGR
Telephone: 6264971826
Mailing Name: Not reported
Mailing Address: 4856 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900560000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.125
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SLAUSON 76 (Continued)

S113130877

envid: S113130877
Year: 2008
GEPaid: CAL000279627
Contact: ENVIRONMENTAL MGR
Telephone: 6264971826
Mailing Name: Not reported
Mailing Address: 4856 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900560000
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.0075
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113130877
Year: 2006
GEPaid: CAL000279627
Contact: ENVIRONMENTAL MGR
Telephone: 6264971826
Mailing Name: Not reported
Mailing Address: 4856 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 90056
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: S113130877
Year: 2006
GEPaid: CAL000279627
Contact: ENVIRONMENTAL MGR
Telephone: 6264971826
Mailing Name: Not reported
Mailing Address: 4856 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 90056
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.01
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B37
WSW
1/8-1/4
0.136 mi.
718 ft.

CONDOR WESTCORP
4900 W SLAUSON AVE
MARINA DEL REY, CA
Site 12 of 12 in cluster B

SWEEPS UST **S106924852**
N/A

Relative:
Higher

SWEEPS UST:
Status: Active
Comp Number: 9292
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Actual:
264 ft.

C38
West
1/8-1/4
0.147 mi.
777 ft.

5740 SO. FAIRFAX
INGLEWOOD, CA
Site 1 of 7 in cluster C

Notify 65 **S100177957**
N/A

Relative:
Higher

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Actual:
272 ft.

C39
West
1/8-1/4
0.151 mi.
795 ft.

LA CO FD STATION #058
5757 S FAIRFAX AVE
LOS ANGELES, CA 90056
Site 2 of 7 in cluster C

AST **A100421564**
N/A

Relative:
Higher

AST:
Certified Unified Program Agencies: Not reported
Owner: LA CO FIRE DEPT
Total Gallons: Not reported
CERSID: 10268812
Facility ID: LACoFA0010109
Business Name: LA CO FD C & M
Phone: (323) 881-6122
Fax: Not reported
Mailing Address: 5757 S FAIRFAX AVE
Mailing Address City: LOS ANGELES
Mailing Address State: CA
Mailing Address Zip Code: Not reported

Actual:
266 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA CO FD STATION #058 (Continued)

A100421564

Operator Name: LA CO Fire Dept - Construction and Maintenance Division
Operator Phone: (323) 881-6122
Owner Phone: (213) 291-8392
Owner Mail Address: 5757 S FAIRFAX AVE
Owner State: CA
Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

C40
WNW
1/8-1/4
0.157 mi.
829 ft.

CHEVRON U S A INC INGLEWOOD
5540 SO FAIFAX AVE
LOS ANGELES, CA 90056
Site 3 of 7 in cluster C

HIST UST **S118408603**
N/A

Relative:
Higher

HIST UST:
File Number: 00026B62
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B62.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Actual:
280 ft.

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

41
WSW
1/8-1/4
0.160 mi.
843 ft.

LADERA CLEANER & LAUNDRY
4920 SLAUSON
LOS ANGELES, CA 90056

RCRA-SQG **1000212177**
FINDS **CAD981985336**
ECHO
DRYCLEANERS
EMI
HAZNET

Relative:
Higher

RCRA-SQG:

Date form received by agency: 02/04/1987
Facility name: LADERA CLEANER & LAUNDRY
Facility address: 4920 SLAUSON
LOS ANGELES, CA 90056
EPA ID: CAD981985336
Mailing address: SLAUSON
LOS ANGELES, CA 90056
Contact: ENVIRONMENTAL MANAGER
Contact address: 4920 SLAUSON
LOS ANGELES, CA 90056
Contact country: US
Contact telephone: (213) 293-8189
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
262 ft.

Owner/Operator Summary:

Owner/operator name: ROLAND LAU
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LADERA CLEANER & LAUNDRY (Continued)

1000212177

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002765231

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000212177
Registry ID: 110002765231
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002765231>

DRYCLEANERS:

EPA Id: CAD981985336
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/03/1987
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: DELISA PARK
Owner Address: 4920 W SLAUSON AVE
Owner Address 2: Not reported
Owner Telephone: 3232938189
Contact Name: DELISA PARK
Contact Address: 4920 W SLAUSON AVE
Contact Address 2: Not reported
Contact Telephone: 3232938189
Mailing Name: Not reported
Mailing Address 1: 4920 W SLAUSON AVE
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 900561639
Owner Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LADERA CLEANER & LAUNDRY (Continued)

1000212177

Region Code: 3

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 52973
Air District Name: SC
SIC Code: 7216
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

envid: 1000212177
Year: 2006
GEPaid: CAD981985336
Contact: DELISA PARK
Telephone: 3232938189
Mailing Name: Not reported
Mailing Address: 4920 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561639
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Solvents Recovery
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000212177
Year: 2006
GEPaid: CAD981985336
Contact: DELISA PARK
Telephone: 3232938189
Mailing Name: Not reported
Mailing Address: 4920 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561639
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Solvents Recovery
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LADERA CLEANER & LAUNDRY (Continued)

1000212177

Facility County: Los Angeles

envid: 1000212177
Year: 2006
GEPaid: CAD981985336
Contact: DELISA PARK
Telephone: 3232938189
Mailing Name: Not reported
Mailing Address: 4920 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561639
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Solvents Recovery
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000212177
Year: 2006
GEPaid: CAD981985336
Contact: DELISA PARK
Telephone: 3232938189
Mailing Name: Not reported
Mailing Address: 4920 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561639
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Solvents Recovery
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000212177
Year: 2005
GEPaid: CAD981985336
Contact: JIN Y. AHN/OWNER
Telephone: 2132938189
Mailing Name: Not reported
Mailing Address: 4920 W SLAUSON AVE
Mailing City,St,Zip: LOS ANGELES, CA 900561639
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LADERA CLEANER & LAUNDRY (Continued)

1000212177

[Click this hyperlink](#) while viewing on your computer to access 17 additional CA_HAZNET: record(s) in the EDR Site Report.

C42
West
1/8-1/4
0.177 mi.
934 ft.

LA COUNTY FIRE DEPT. FIRE STATION #058
5757 S FAIRFAX AVE
LOS ANGELES, CA 90056
Site 4 of 7 in cluster C

LUST **U001562289**
HIST UST **N/A**

Relative:
Higher

LUST:
Region: STATE
Global Id: T0603774319
Latitude: 33.987869
Longitude: -118.363226
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/10/2001
Lead Agency: LOS ANGELES COUNTY
Case Worker: TS
Local Agency: LOS ANGELES COUNTY
RB Case Number: Not reported
LOC Case Number: 12591-12758
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Actual:
267 ft.

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603774319
Contact Type: Local Agency Caseworker
Contact Name: TIM SMITH
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: tsmith@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603774319
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603774319
Status: Completed - Case Closed
Status Date: 10/10/2001

Global Id: T0603774319
Status: Open - Case Begin Date
Status Date: 09/23/1994

Global Id: T0603774319

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA COUNTY FIRE DEPT. FIRE STATION #058 (Continued)

U001562289

Status: Open - Site Assessment
Status Date: 09/10/2001

Regulatory Activities:

Global Id: T0603774319
Action Type: Other
Date: 09/23/1994
Action: Leak Discovery

Global Id: T0603774319
Action Type: Other
Date: 09/23/1994
Action: Leak Reported

HIST UST:

File Number: 000277B3
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000277B3.pdf>
Region: STATE
Facility ID: 00000020798
Facility Type: Other
Other Type: FIRE ST.
Contact Name: L.A. COUNTY MECHANICAL DEPT.
Telephone: 2132672242
Owner Name: LOS ANGELES COUNTY MECHANICAL
Owner Address: 1100 N. EASTERN AVE.
Owner City,St,Zip: LOS ANGELES, CA 90063
Total Tanks: 0002

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C43
West
1/8-1/4
0.177 mi.
934 ft.

5757 S FAIRFAX AVE
LOS ANGELES, CA
Site 5 of 7 in cluster C

AST **A100345249**
N/A

Relative:
Higher

AST:

Certified Unified Program Agencies: City of Los Angeles
Owner: LOS ANGELES COUNTY FIRE DEPT
Total Gallons: 2,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

Actual:
267 ft.

Certified Unified Program Agencies: Los Angeles County
Owner: LA CO FD STATION #058
Total Gallons: 3701
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

A100345249

Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

C44 **LA CO FD FIRE STA #058**
West **5757 S FAIRFAX AVE**
1/8-1/4 **MARINA DEL REY, CA**
0.177 mi.
934 ft. **Site 6 of 7 in cluster C**

SWEEPS UST **S106928378**
N/A

Relative:
Higher

SWEEPS UST:

Actual:
267 ft.

Status: Active
Comp Number: 12758
Number: 9
Board Of Equalization: 44-009891
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012758-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Status: Active
Comp Number: 12758
Number: 9
Board Of Equalization: 44-009891
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012758-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

C45 **CONS FIRE STA# 58**
West **5757 S FAIRFAX AVE**
1/8-1/4 **CALABASAS, CA 91302**
0.177 mi.
934 ft. **Site 7 of 7 in cluster C**

SWEEPS UST **S106924860**
N/A

Relative:
Higher

SWEEPS UST:

Actual:
267 ft.

Status: Active
Comp Number: 12759
Number: 9
Board Of Equalization: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONS FIRE STA# 58 (Continued)

S106924860

Referral Date: 03-14-91
Action Date: 03-14-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012759-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

D46 UNOCAL #5821
ENE 4501 SLAUSON AVE W
1/4-1/2 WINDSOR HILLS, CA 90043
0.295 mi.
1559 ft.

LUST S101297257
N/A

Site 1 of 2 in cluster D

Relative:
Higher

LUST:

Actual:
319 ft.

Region: STATE
Global Id: T0603703047
Latitude: 33.9890919
Longitude: -118.3546963
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/21/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-05199
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id: T0603703047
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703047
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNOCAL #5821 (Continued)

S101297257

Status History:

Global Id: T0603703047
Status: Completed - Case Closed
Status Date: 03/21/1997

Global Id: T0603703047
Status: Open - Case Begin Date
Status Date: 02/18/1993

Global Id: T0603703047
Status: Open - Site Assessment
Status Date: 02/18/1993

Regulatory Activities:

Global Id: T0603703047
Action Type: Other
Date: 02/18/1993
Action: Leak Discovery

Global Id: T0603703047
Action Type: Other
Date: 02/18/1993
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-05199
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: UK
Global ID: T0603703047
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: OVERHILL DR
Enforcement Type: Not reported
Date Leak Discovered: 2/18/1993
Date Leak First Reported: 2/18/1993
Date Leak Record Entered: 2/20/1993
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/31/1995
Date the Case was Closed: 3/21/1997
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: KIM, KOO
Water System: Not reported
Well Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNOCAL #5821 (Continued)

S101297257

Approx. Dist To Production Well (ft): 7593.4222140624702999672553486
 Source of Cleanup Funding: UNK
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: 2/18/1993
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Yes
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: UNOCAL CORP
 RP Address: 376 S. VALENCIA AVE., BREA, CA 92823
 Program: LUST
 Lat/Long: 33.9890919 / -1
 Local Agency Staff: Not reported
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: Not reported
 Summary: Not reported

D47
ENE
 1/4-1/2
 0.295 mi.
 1559 ft.

UNOCAL #5821
4501 SLAUSON
LOS ANGELES, CA 90043
 Site 2 of 2 in cluster D

HIST CORTESE **S105024694**
 N/A

Relative:
Higher

Actual:
319 ft.

HIST CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: I-05199

E48
North
 1/4-1/2
 0.298 mi.
 1571 ft.

INGLEWOOD OIL FIELD LAND TREATMENT
5640 FAIRFAX
LOS ANGELES, CA 90056
 Site 1 of 3 in cluster E

SLIC **S104404807**
CHMIRS **N/A**
 LDS
 ENF
 NPDES
LA Co. Site Mitigation

Relative:
Higher

Actual:
298 ft.

SLIC REG 4:
 Region: 4
 Facility Status: Not reported
 SLIC: 0528
 Substance: TPH
 Staff: Landfills

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

CHMIRS:

OES Incident Number:	4-0656
OES notification:	02/04/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Oil Field
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1017
Year:	2014
Agency:	Freeport MCMoran Oil and Gas
Incident Date:	2/4/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states a pipeline leak occurred which resulted in the release of 5 barrels of crude oil, the spill is contained onto the dirt and no waterways are impacted. A contractor is onscene to do the clean up.
OES Incident Number:	13-2604
OES notification:	05/01/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1422

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Year:	2013
Agency:	PXP
Incident Date:	5/1/2013
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A pipeline leaked. Other details unknown. The release was totally on-site and has been shut in and secured.
OES Incident Number:	4-3932
OES notification:	07/12/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	N/A
Other:	Not reported
Date/Time:	730
Year:	2014
Agency:	Freeport McMoRan
Incident Date:	7/12/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Clean Produced Water
Quantity Released:	Unknown / Misting
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states: The clean produced water is misting into the air.

LDS:

Global Id:	L10001422162
Latitude:	33.98928
Longitude:	-118.3605
Case Type:	Land Disposal Site
Status:	Open - Operating
Status Date:	05/31/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	EC
Local Agency:	Not reported
RB Case Number:	CI-8266
LOC Case Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: L10001422162
Potential Contaminants of Concern: Not reported
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Region: 4
Facility Id: 791884
Agency Name: Freeport-McMoRan Oil & Gas
Place Type: Mining
Place Subtype: Oil/Gas Extraction
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.99542
Place Longitude: -118.36472
SIC Code 1: 1311
SIC Desc 1: Crude Petroleum and Natural Gas
SIC Code 2: 13
SIC Desc 2: Oil and gas extraction
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 7.55
Threat To Water Quality: 2
Complexity: C
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Stormwater runoff
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDNONMUNIPRCS
Program Category1: NPDESWW
Program Category2: NPDESWW
Of Programs: 1
WDID: 4B192113018
Reg Measure Id: 383620
Reg Measure Type: NPDES Permits
Region: 4
Order #: R4-2013-0021
Npdes# CA#: CA0057827
Major-Minor: Major
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/14/2014
Effective Date:	03/09/2013
Expiration/Review Date:	01/10/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	409889
Region:	4
Order / Resolution Number:	R4-2016-0298
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/30/2016
Adoption/Issuance Date:	11/30/2016
Achieve Date:	Not reported
Termination Date:	12/28/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	10/14/2016
Status:	Historical
Title:	ACL R4-2016-0298 for Freeport-McMoRan Oil & Gas
Description:	EPL No. R4-2016-0298 was issued on 10/14/16 for 3 effluent violations, 2 of which are MMPable, for total liability of \$6,000.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	12/28/2016
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	6000
Liability \$ Amount:	6000
Project \$ Amount:	0
Liability \$ Paid:	6000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	6000
Region:	4
Facility Id:	791884
Agency Name:	Freeport-McMoRan Oil & Gas
Place Type:	Mining
Place Subtype:	Oil/Gas Extraction
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.99542
Place Longitude:	-118.36472
SIC Code 1:	1311
SIC Desc 1:	Crude Petroleum and Natural Gas
SIC Code 2:	13
SIC Desc 2:	Oil and gas extraction
SIC Code 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	7.55
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192113018
Reg Measure Id:	383620
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	R4-2013-0021
Npdes# CA#:	CA0057827
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	01/14/2014
Effective Date:	03/09/2013
Expiration/Review Date:	01/10/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	399429
Region:	4
Order / Resolution Number:	R4-2015-0002
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/23/2015
Adoption/Issuance Date:	03/23/2015
Achieve Date:	Not reported
Termination Date:	04/20/2015
ACL Issuance Date:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

EPL Issuance Date:	01/07/2015
Status:	Historical
Title:	ACL R4-2015-0002 for Freeport-McMoRan Oil & Gas
Description:	EPL No. R4-2015-0002 was issued on 1/7/15 for 9 effluent violations, 7 of which are MMPable, for total liability of \$21,000.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	4/20/2015
# Of Programs1:	1
Total Assessment Amount:	21000
Initial Assessed Amount:	21000
Liability \$ Amount:	21000
Project \$ Amount:	0
Liability \$ Paid:	21000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	21000
Region:	4
Facility Id:	791884
Agency Name:	Freeport-McMoRan Oil & Gas
Place Type:	Mining
Place Subtype:	Oil/Gas Extraction
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.99542
Place Longitude:	-118.36472
SIC Code 1:	1311
SIC Desc 1:	Crude Petroleum and Natural Gas
SIC Code 2:	13
SIC Desc 2:	Oil and gas extraction
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	7.55
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192113018
Reg Measure Id:	383620
Reg Measure Type:	NPDES Permits
Region:	4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Order #: R4-2013-0021
Npdes# CA#: CA0057827
Major-Minor: Major
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: Not reported
Status: Active
Status Date: 01/14/2014
Effective Date: 03/09/2013
Expiration/Review Date: 01/10/2018
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 66 - NPDES Based on Flow
Direction/Voice: Passive
Enforcement Id(EID): 389233
Region: 4
Order / Resolution Number: R4-2013-0022
Enforcement Action Type: Time Schedule Order
Effective Date: 03/09/2013
Adoption/Issuance Date: 02/07/2013
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Active
Title: TSO R4-2013-0022 for Freeport-McMoRan Oil & Gas
Description: Not reported
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 4
Facility Id: 791884
Agency Name: Freeport-McMoRan Oil & Gas
Place Type: Mining
Place Subtype: Oil/Gas Extraction
Facility Type: All other facilities
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.99542
Place Longitude: -118.36472

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

SIC Code 1:	1311
SIC Desc 1:	Crude Petroleum and Natural Gas
SIC Code 2:	13
SIC Desc 2:	Oil and gas extraction
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	7.55
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Stormwater runoff
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDPNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B192113018
Reg Measure Id:	135008
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	94-028
Npdes# CA#:	CA0057827
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Historical
Status Date:	01/24/2014
Effective Date:	04/04/1994
Expiration/Review Date:	01/01/2011
Termination Date:	03/08/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	358118
Region:	4
Order / Resolution Number:	SWB-2008-4-0065
Enforcement Action Type:	Admin Civil Liability

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

Effective Date: 07/15/2009
Adoption/Issuance Date: 07/15/2009
Achieve Date: Not reported
Termination Date: 08/04/2009
ACL Issuance Date: 12/09/2008
EPL Issuance Date: Not reported
Status: Historical
Title: Expedited Payment Letter for Plains Exploration & Production Co
Description: MMP Amount for Effluent Violations (1 Serious Violation)
\$3,000 = \$3,000 to the Cleanup & Abatement Account
Program: NPDNONMUNIPRCS
Latest Milestone Completion Date: 8/4/2009
Of Programs1: 1
Total Assessment Amount: 3000
Initial Assessed Amount: 3000
Liability \$ Amount: 3000
Project \$ Amount: 0
Liability \$ Paid: 3000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 3000

NPDES:

Npdes Number: CA0057827
Facility Status: Active
Agency Id: 35915
Region: 4
Regulatory Measure Id: 383620
Order No: R4-2013-0021
Regulatory Measure Type: NPDES Permits
Place Id: 791884
WDID: 4B192113018
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: 02/07/2013
Effective Date Of Regulatory Measure: 03/09/2013
Expiration Date Of Regulatory Measure: 01/10/2018
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Freeport-McMoRan Oil & Gas
Discharge Address: 5640 South Fairfax Avenue
Discharge City: Los Angeles
Discharge State: CA
Discharge Zip: 90056
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FIELD LAND TREATMENT (Continued)

S104404807

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

LA Co. Site Mitigation:

Facility ID:	FA0010108
Site ID:	SD0010502
Jurisdiction:	County
Case ID:	RO0010502
Abated:	Yes
Assigned To:	JW
Entered Date:	05/11/2004
Abated Date:	09/30/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E49
North
1/4-1/2
0.298 mi.
1571 ft.

PXP INGLEWOOD FIELD
5640 S FAIRFAX AVENUE
LOS ANGELES, CA 90056

SEMS-ARCHIVE **1000434348**
RCRA-SQG **CAT080011984**

Site 2 of 3 in cluster E

Relative:
Higher

SEMS-ARCHIVE:
Site ID: 902672
EPA ID: CAT080011984
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
298 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0902672
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13289182.00000
Person ID: 13003854.00000

Contact Sequence ID: 13294777.00000
Person ID: 13003858.00000

Contact Sequence ID: 13300635.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: CHEVRON USA BALDWIN-CIENEGA LSE
Alias Address: T2S R14W SEC'S 8,9,16, & 17
INGLEWOOD, CA 90056

Alias Name: INGLEWOOD OIL FLD BALDWIN HILLS
Alias Address: Not reported
CA

Alias Name: STANDARD OIL CO
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 04/01/83
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 04/01/83
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 10/01/80
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PXP INGLEWOOD FIELD (Continued)

1000434348

RCRA-SQG:

Date form received by agency: 02/04/2005
Facility name: PXP INGLEWOOD FIELD
Facility address: 5640 S FAIRFAX AVENUE
LOS ANGELES, CA 90056
EPA ID: CAT080011984
Contact: GARY WINKLER
Contact address: 5640 S FAIRFAX AVENUE
LOS ANGELES, CA 90056
Contact country: US
Contact telephone: 323-298-2200
Contact email: GWINKLER@PLAINSP.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: PLAINS EXPLORATION AND PRODUCTION
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 05/20/2004
Owner/Op end date: Not reported

Owner/operator name: PLAINS EXPLORATION AND PRODUCTION
Owner/operator address: 5640 S FAIRFAX AVENUE
LOS ANGELES, CA 90056
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 05/20/2004
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PXP INGLEWOOD FIELD (Continued)

1000434348

Used oil transporter: No

. Waste code: D001
 . Waste name: IGNITABLE WASTE

. Waste code: D039
 . Waste name: TETRACHLOROETHYLENE

Historical Generators:

Date form received by agency: 09/01/1996
 Site name: CHEVRON USA INC INGLEWOOD PROD AREA
 Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
 Site name: CHEVRON USA PRODUCTS
 Classification: Large Quantity Generator

Date form received by agency: 02/25/1992
 Site name: CHEVRON U.S.A. INC. INGLEWOOD/URBAN PROD
 Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
 Site name: CHEVRON USA INC INGLEWOOD PRODUCT
 Classification: Large Quantity Generator

Date form received by agency: 10/30/1980
 Site name: CHEVRON USA INC INGLEWOOD PROD AREA
 Classification: Large Quantity Generator

Violation Status: No violations found

E50
North
1/4-1/2
0.298 mi.
1571 ft.

INGLEWOOD OIL FD, BALDWIN HILLS
5640 S FAIRFAX AVE
LOS ANGELES CA, CA 90056
Site 3 of 3 in cluster E

WMUDS/SWAT
EMI
HAZNET
WDS

1001523195
N/A

Relative:
Higher

WMUDS/SWAT:
 Edit Date: Not reported
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Primary Waste: CNSOIL
 Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: Not reported
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False

Actual:
298 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Waste List: False
Agency Type: Private
Agency Name: STOCKER RESOURCES, INC.
Agency Department: Not reported
Agency Address: 5640 S. FAIRFAX AVE.
Agency City,St,Zip: LOS ANGELES CA 90056
Agency Contact: TROY VALENAUELA
Agency Telephone: 3232982200
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: Not reported
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 4
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description: Not reported
Facility Telephone: 3232982266
SWAT Facility Name: Not reported
Primary SIC: 2911
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Sub Chapter 15: True
Regional Board Project Officer: Not reported
Number of WMUDS at Facility: 0
Section Range: Not reported
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4B196900128
Solid Waste Information ID: Not reported

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 12435
Air District Name: SC
SIC Code: 2911
Air District Name: SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 694
Reactive Organic Gases Tons/Yr: 441
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 6149
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 548
Reactive Organic Gases Tons/Yr: 281
Carbon Monoxide Emissions Tons/Yr: 43
NOX - Oxides of Nitrogen Tons/Yr: 340
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 533
Reactive Organic Gases Tons/Yr: 339
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 333
Reactive Organic Gases Tons/Yr: 129
Carbon Monoxide Emissions Tons/Yr: 47
NOX - Oxides of Nitrogen Tons/Yr: 374

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 419
Reactive Organic Gases Tons/Yr: 145
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 58
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 146
Reactive Organic Gases Tons/Yr: 72
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 132
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 128
Reactive Organic Gases Tons/Yr: 62
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 132
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year: 1999
County Code: 19

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 146
Reactive Organic Gases Tons/Yr: 72
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 132
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 83753
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 146
Reactive Organic Gases Tons/Yr: 72
Carbon Monoxide Emissions Tons/Yr: 3
NOX - Oxides of Nitrogen Tons/Yr: 132
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 60
Reactive Organic Gases Tons/Yr: 33
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 60
Reactive Organic Gases Tons/Yr: 33
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 59.8981635
Reactive Organic Gases Tons/Yr: 33.03
Carbon Monoxide Emissions Tons/Yr: 1.3073
NOX - Oxides of Nitrogen Tons/Yr: 1.7544
SOX - Oxides of Sulphur Tons/Yr: 0.029567
Particulate Matter Tons/Yr: 0.2664
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.25

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.9174053
Reactive Organic Gases Tons/Yr: 5.863266675
Carbon Monoxide Emissions Tons/Yr: 2.425454
NOX - Oxides of Nitrogen Tons/Yr: 4.35608
SOX - Oxides of Sulphur Tons/Yr: .03807037
Particulate Matter Tons/Yr: .4908337
Part. Matter 10 Micrometers and Smlr Tons/Yr:.4719252578

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23.79934660081590891
Reactive Organic Gases Tons/Yr: 12.702
Carbon Monoxide Emissions Tons/Yr: 3.187
NOX - Oxides of Nitrogen Tons/Yr: 8.048
SOX - Oxides of Sulphur Tons/Yr: .054

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Particulate Matter Tons/Yr: .683
Part. Matter 10 Micrometers and Smlr Tons/Yr:.66905

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23.73219447347293917
Reactive Organic Gases Tons/Yr: 12.702
Carbon Monoxide Emissions Tons/Yr: 3.187
NOX - Oxides of Nitrogen Tons/Yr: 8.048
SOX - Oxides of Sulphur Tons/Yr: .054
Particulate Matter Tons/Yr: .683
Part. Matter 10 Micrometers and Smlr Tons/Yr:.66905

Year: 2008
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 28.72838417126653837
Reactive Organic Gases Tons/Yr: 15.54219388917465994
Carbon Monoxide Emissions Tons/Yr: 4.08574801
NOX - Oxides of Nitrogen Tons/Yr: 8.241335905136077805
SOX - Oxides of Sulphur Tons/Yr: .060066789
Particulate Matter Tons/Yr: .8703242
Part. Matter 10 Micrometers and Smlr Tons/Yr:.8583241241

Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.469363185
Reactive Organic Gases Tons/Yr: 11.01859175
Carbon Monoxide Emissions Tons/Yr: 1.60049
NOX - Oxides of Nitrogen Tons/Yr: 2.7448
SOX - Oxides of Sulphur Tons/Yr: 0.02714558
Particulate Matter Tons/Yr: 0.33984
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.3279375

Year: 2013
County Code: 19
Air Basin: SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

Facility ID: 133987
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 28.831894669
Reactive Organic Gases Tons/Yr: 16.30500175
Carbon Monoxide Emissions Tons/Yr: 1.49196
NOX - Oxides of Nitrogen Tons/Yr: 2.65756
SOX - Oxides of Sulphur Tons/Yr: 0.02255
Particulate Matter Tons/Yr: 0.28376
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.27462004

HAZNET:

envid: 1001523195
Year: 2015
GEPaid: CAL000386082
Contact: ANITA BURNS
Telephone: 8059348218
Mailing Name: Not reported
Mailing Address: 201 S BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Liquids with polychlorinated biphenyls >= 50 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.39134
Cat Decode: Liquids with polychlorinated biphenyls >= 50 Mg./L
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1001523195
Year: 2015
GEPaid: CAL000386082
Contact: ANITA BURNS
Telephone: 8059348218
Mailing Name: Not reported
Mailing Address: 201 S BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.11
Cat Decode: Laboratory waste chemicals
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1001523195
Year: 2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

GEPaid: CAL000386082
Contact: ANITA BURNS
Telephone: 8059348218
Mailing Name: Not reported
Mailing Address: 201 S BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.575
Cat Decode: Other organic solids
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: 1001523195
Year: 2015
GEPaid: CAL000386082
Contact: ANITA BURNS
Telephone: 8059348218
Mailing Name: Not reported
Mailing Address: 201 S BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.5
Cat Decode: Off-specification, aged or surplus organics
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

envid: 1001523195
Year: 2015
GEPaid: CAL000386082
Contact: ANITA BURNS
Telephone: 8059348218
Mailing Name: Not reported
Mailing Address: 201 S BROADWAY
Mailing City,St,Zip: ORCUTT, CA 934550000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2.3
Cat Decode: Other inorganic solid waste
Method Decode: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

[Click this hyperlink](#) while viewing on your computer to access 25 additional CA_HAZNET: record(s) in the EDR Site Report.

WDS:

Facility ID: Los Angeles River 192113018
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CA0057827 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3232982266
Facility Contact: Candace Salway
Agency Name: PLAINS EXPL. & PROD. CO.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 2911
SIC Code 2: Not reported
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: STORMS
Waste Type2: Not reported
Waste2: Stormwater Runoff
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 8
Baseline Flow: 8
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Aesthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Facility ID: Los Angeles River 191396002
Facility Type: Industrial - Facility that treats and/or disposes of liquid or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INGLEWOOD OIL FD,BALDWIN HILLS (Continued)

1001523195

semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: Not reported

Subregion: 4

Facility Telephone: 3232982266

Facility Contact: Candace Salway

Agency Name: PLAINS EXPL. & PROD. CO.

Agency Address: Not reported

Agency City,St,Zip: 0

Agency Contact: Not reported

Agency Telephone: Not reported

Agency Type: Private

SIC Code: 9511

SIC Code 2: Not reported

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Primary Waste: SLDWST

Waste Type2: Not reported

Waste2: Solid Wastes

Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: No reclamation requirements associated with this facility.

POTW: The facility is not a POTW.

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

51
South
1/4-1/2
0.441 mi.
2328 ft.

76 PRODUCTS STATION #3349
1430 LA BREA BLVD N
INGLEWOOD, CA 90302

LUST S102590676
HIST CORTESE N/A

Relative:
Lower

LUST:

Actual:
167 ft.

Region: STATE
Global Id: T0603704888
Latitude: 33.9808585354259
Longitude: -118.357976675034
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/15/2013
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: JH
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-09979
LOC Case Number: 010113-024674
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603704888
Contact Type: Regional Board Caseworker
Contact Name: JAY HUANG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jhuang@waterboards.ca.gov
Phone Number: 2135766711

Global Id: T0603704888
Contact Type: Local Agency Caseworker
Contact Name: RANI IYER
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Status History:

Global Id: T0603704888
Status: Completed - Case Closed
Status Date: 07/15/2013

Global Id: T0603704888
Status: Open - Case Begin Date
Status Date: 12/19/1994

Global Id: T0603704888
Status: Open - Eligible for Closure
Status Date: 04/23/2013

Global Id: T0603704888

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

76 PRODUCTS STATION #3349 (Continued)

S102590676

Status: Open - Referred
Status Date: 06/03/2010

Global Id: T0603704888
Status: Open - Site Assessment
Status Date: 01/04/1995

Global Id: T0603704888
Status: Open - Site Assessment
Status Date: 08/12/1997

Global Id: T0603704888
Status: Open - Site Assessment
Status Date: 06/22/2010

Regulatory Activities:

Global Id: T0603704888
Action Type: ENFORCEMENT
Date: 06/22/2010
Action: Staff Letter

Global Id: T0603704888
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: Other
Date: 12/19/1994
Action: Leak Discovery

Global Id: T0603704888
Action Type: ENFORCEMENT
Date: 06/03/2010
Action: Referral to Regional Board

Global Id: T0603704888
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: Other
Date: 12/19/1994
Action: Leak Stopped

Global Id: T0603704888

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

76 PRODUCTS STATION #3349 (Continued)

S102590676

Action Type: ENFORCEMENT
Date: 07/15/2013
Action: Closure/No Further Action Letter

Global Id: T0603704888
Action Type: Other
Date: 01/04/1995
Action: Leak Reported

Global Id: T0603704888
Action Type: RESPONSE
Date: 09/01/2010
Action: Other Report / Document

Global Id: T0603704888
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603704888
Action Type: RESPONSE
Date: 03/18/2013
Action: Request for Closure - Regulator Responded

Global Id: T0603704888
Action Type: ENFORCEMENT
Date: 04/24/2013
Action: Notification - Preclosure

Global Id: T0603704888
Action Type: REMEDIATION
Date: 08/01/1997
Action: Excavation

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-09979
Status: Pollution Characterization
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603704888
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 064TH STREET
Enforcement Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

76 PRODUCTS STATION #3349 (Continued)

S102590676

Date Leak Discovered: 12/19/1994
Date Leak First Reported: 1/4/1995
Date Leak Record Entered: 4/6/1995
Date Confirmation Began: 1/4/1995
Date Leak Stopped: 12/19/1994
Date Case Last Changed on Database: 2/17/1999
Date the Case was Closed: Not reported
How Leak Discovered: Tank Test
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: ELIE FADLALLAH
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4302.3368282288989992710142826
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 8/12/1997
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: No
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TOSCO/76 PRODUCTS TEAM
RP Address: 555 ANTON, COSTA MESA, CA 92626
Program: LUST
Lat/Long: 33.980461 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: LA DPW SAYS SITE UNOCAL - TOSCO & GOING TO BE DEMOLISHED. NO ENVIRONMENTAL WORK BEING DONE, URF BY DPW DUE TO TANK INTEGRITY TEST FAILURE.

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-09979

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

52
East
1/4-1/2
0.471 mi.
2486 ft.

SOUTHLAND CORP #20545
4343 SLAUSON AVE W
LOS ANGELES, CA 90043

LUST S103065950
HIST CORTESE N/A

Relative:
Higher

LUST:

Actual:
310 ft.

Region: STATE
Global Id: T0603705224
Latitude: 33.989188
Longitude: -118.351376
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/29/2005
Lead Agency: LOS ANGELES, CITY OF
Case Worker: WR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: R-14245
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0603705224
Contact Type: Local Agency Caseworker
Contact Name: TBD
Organization Name: LOS ANGELES, CITY OF
Address: 200 N. MAIN ST. RM. 970
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826528

Global Id: T0603705224
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0603705224
Status: Completed - Case Closed
Status Date: 12/29/2005

Global Id: T0603705224
Status: Open - Case Begin Date
Status Date: 04/02/1992

Global Id: T0603705224
Status: Open - Site Assessment
Status Date: 01/13/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHLAND CORP #20545 (Continued)

S103065950

Regulatory Activities:

Global Id: T0603705224
Action Type: Other
Date: 04/02/1992
Action: Leak Discovery

Global Id: T0603705224
Action Type: Other
Date: 04/06/1992
Action: Leak Stopped

Global Id: T0603705224
Action Type: Other
Date: 04/06/1992
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-14245
Status: Preliminary site assessment workplan submitted
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705224
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: CULVER BLVD
Enforcement Type: Not reported
Date Leak Discovered: 4/2/1992
Date Leak First Reported: 4/6/1992
Date Leak Record Entered: 9/16/1996
Date Confirmation Began: Not reported
Date Leak Stopped: 4/6/1992
Date Case Last Changed on Database: 1/13/1994
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7924.12022594906852806770018
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: 1/13/1994
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHLAND CORP #20545 (Continued)

S103065950

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: SOUTHLAND CORP
RP Address: P.O. BOX 404, PLEASANTON CA 94588
Program: LUST
Lat/Long: 33.988982 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-14245

53
SW
1/2-1
0.670 mi.
3537 ft.

LA TIJERA ELEMENTARY
1415 SOUTH LA TIJERA BOULEVARD
INGLEWOOD, CA 90302

ENVIROSTOR S107736579
SCH N/A
NPDES

Relative:
Lower

ENVIROSTOR:

Actual:
158 ft.

Facility ID: 60000008
Status: Certified
Status Date: 08/09/2010
Site Code: 304384
Site Type: School Cleanup
Site Type Detailed: School
Acres: 8.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 62
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.9809
Longitude: -118.3686
APN: 4001-014-900, 4001-014-901, 4001014900, 4001014901
Past Use: OIL FIELD, SCHOOL - ELEMENTARY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Potential COC: Arsenic Lead TPH-MOTOR OIL
Confirmed COC: Arsenic TPH-MOTOR OIL Lead
Potential Description: SOIL, SV, IA
Alias Name: INGLEWOOD USD-LA TIJERA ES
Alias Type: Alternate Name
Alias Name: 4001-014-900
Alias Type: APN
Alias Name: 4001-014-901
Alias Type: APN
Alias Name: 4001014900
Alias Type: APN
Alias Name: 4001014901
Alias Type: APN
Alias Name: 110033607489
Alias Type: EPA (FRS #)
Alias Name: 304384
Alias Type: Project Code (Site Code)
Alias Name: 60000008
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/29/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 06/30/2009
Comments: DTSC placed the site on Inactive Status per project delays

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/09/2010
Comments: DTSC prepared a project close out cost recovery unit memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 03/06/2008
Comments: Rec'd executed Agreement from Branch Chief, Sharon Fair. O/V to district.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# 08SM3284, 10SM0099 and 10SM0913.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/29/2008
Comments: DTSC sent a letter with a revised cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2009
Comments: DTSC submitted a letter to OPSC to aid in Inglewood Unified School District's request for funding

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/09/2007
Comments: DTSC conditionally approved the PEA WP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/27/2007
Comments: DTSC issued a Further Action determination based on review of the PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/01/2008
Comments: DTSC conditionally approved the SSI TM

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/17/2008
Comments: DTSC approved the SSI report with a Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/29/2008
Comments: DTSC approved the RAW for implementation. Implementation is pending receipt, review, and approval of a Site sloping plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/27/2008
Comments: DTSC approved the Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/22/2008
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: DTSC approved the public notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/09/2010
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/15/2012
Comments: Final Demand letter sent for invoices 08SM3284, 10SM0099 & 10SM0913.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/27/2012
Comments: 2nd Collection Letter for Inv. 08SM3284, 10SM0099 and 10SM0913.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000008
Site Type: School Cleanup
Site Type Detail: School

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Site Mgmt. Req.: NONE SPECIFIED
Acres: 8.25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304384
Assembly: 62
Senate: 30
Special Program Status: Not reported
Status: Certified
Status Date: 08/09/2010
Restricted Use: NO
Funding: School District
Latitude: 33.9809
Longitude: -118.3686
APN: 4001-014-900, 4001-014-901, 4001014900, 4001014901
Past Use: OIL FIELD, SCHOOL - ELEMENTARY
Potential COC: Arsenic, Lead, TPH-MOTOR OIL
Confirmed COC: Arsenic, TPH-MOTOR OIL, Lead
Potential Description: SOIL, SV, IA
Alias Name: INGLEWOOD USD-LA TIJERA ES
Alias Type: Alternate Name
Alias Name: 4001-014-900
Alias Type: APN
Alias Name: 4001-014-901
Alias Type: APN
Alias Name: 4001014900
Alias Type: APN
Alias Name: 4001014901
Alias Type: APN
Alias Name: 110033607489
Alias Type: EPA (FRS #)
Alias Name: 304384
Alias Type: Project Code (Site Code)
Alias Name: 60000008
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 12/29/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 06/30/2009
Comments: DTSC placed the site on Inactive Status per project delays

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/09/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Comments: DTSC prepared a project close out cost recovery unit memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 08/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 03/06/2008
Comments: Rec'd executed Agreement from Branch Chief, Sharon Fair. O/V to district.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# 08SM3284, 10SM0099 and 10SM0913.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/29/2008
Comments: DTSC sent a letter with a revised cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2009
Comments: DTSC submitted a letter to OPSC to aid in Inglewood Unified School District's request for funding

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/09/2007
Comments: DTSC conditionally approved the PEA WP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/27/2007
Comments: DTSC issued a Further Action determination based on review of the PEA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 04/01/2008
Comments: DTSC conditionally approved the SSI TM

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/17/2008
Comments: DTSC approved the SSI report with a Further Action determination

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/29/2008
Comments: DTSC approved the RAW for implementation. Implementation is pending receipt, review, and approval of a Site sloping plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/27/2008
Comments: DTSC approved the Fact Sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 10/22/2008
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/27/2008
Comments: DTSC approved the public notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/09/2010
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/15/2012
Comments: Final Demand letter sent for invoices 08SM3284, 10SM0099 & 10SM0913.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/18/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/27/2012
Comments: 2nd Collection Letter for Inv. 08SM3284, 10SM0099 and 10SM0913.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 401038
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 4 19C356859
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 4/2/2012
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 11/24/2009
PROCESSED DATE: 12/8/2009
STATUS CODE NAME: Terminated
STATUS DATE: 5/23/2012
PLACE SIZE: 8.5
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: John Satterfield
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 818-535-9474
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Inglewood Unified School District
OPERATOR ADDRESS: 401 S Inglewood Ave
OPERATOR CITY: Inglewood
OPERATOR STATE: California
OPERATOR ZIP: 90301
OPERATOR CONTACT NAME: Robert Guillen
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: 310-419-2792
OPERATOR CONTACT PHONE EXT: Not reported
OPERATOR CONTACT EMAIL: Not reported
OPERATOR TYPE: Other

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LA TIJERA ELEMENTARY (Continued)

S107736579

DEVELOPER NAME:	Bernards
DEVELOPER ADDRESS:	3633 E Inland Empire Blvd Ste 860
DEVELOPER CITY:	Ontario
DEVELOPER STATE:	California
DEVELOPER ZIP:	91764
DEVELOPER CONTACT NAME:	Mike Stelmasek
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERCIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESCRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Pacific Ocean
CERTIFIER NAME:	Cornell Williams
CERTIFIER TITLE:	Interm Super of Schools
CERTIFICATION DATE:	26-OCT-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

54
WSW
1/2-1
0.896 mi.
4732 ft.

FRANK PARENT ELEMENTARY SCHOOL
5354 WEST 64TH STREET
INGLEWOOD, CA 90302

ENVIROSTOR **S105628568**
SCH **N/A**

Relative:
Lower

ENVIROSTOR:	
Facility ID:	19820035
Status:	No Further Action
Status Date:	02/07/2002
Site Code:	304352
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	8
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	54
Senate:	30
Special Program:	Not reported

Actual:
142 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRANK PARENT ELEMENTARY SCHOOL (Continued)

S105628568

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.98096
Longitude: -118.3581
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 PCBs
(unspeciated mixture, low risk, e.g. Aroclor 1016 Polybrominated
biphenyls Polychlorinated biphenyls (PCBs Polychlorinated biphenyls
(PCBs, see IRIS
Confirmed COC: 30468-NO 30470-NO 30467-NO 30469-NO 30018-NO
Potential Description: SOIL
Alias Name: FRANK PARENT ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: INGLEWOOD UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: INGLEWOOD USD-FRANK PARENT ELEMENTARY
Alias Type: Alternate Name
Alias Name: 304352
Alias Type: Project Code (Site Code)
Alias Name: 19820035
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/27/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/07/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/22/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRANK PARENT ELEMENTARY SCHOOL (Continued)

S105628568

SCH:

Facility ID: 19820035
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 8
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304352
Assembly: 54
Senate: 30
Special Program Status: Not reported
Status: No Further Action
Status Date: 02/07/2002
Restricted Use: NO
Funding: School District
Latitude: 33.98096
Longitude: -118.3581
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254, PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016, Polybrominated biphenyls, Polychlorinated biphenyls (PCBs, Polychlorinated biphenyls (PCBs, see IRIS

Confirmed COC: 30468-NO, 30470-NO, 30467-NO, 30469-NO, 30018-NO
Potential Description: SOIL

Alias Name: FRANK PARENT ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: INGLEWOOD UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: INGLEWOOD USD-FRANK PARENT ELEMENTARY
Alias Type: Alternate Name
Alias Name: 304352
Alias Type: Project Code (Site Code)
Alias Name: 19820035
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/27/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRANK PARENT ELEMENTARY SCHOOL (Continued)

S105628568

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/07/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/22/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BALDWIN HILLS	S106485559	INGLEWOOD OIL FIELD (FORMER)	FAIRFAX AVE	90008	SLIC
BALDWIN HILLS	S105911421	INGLEWOOD OIL FIELD (FORMER)	FAIRFAX	90008	SLIC
BALDWIN HILLS	S106485444	DALTON CONSTRUCTION	SLAUSON AVE	90008	SLIC
BALDWIN HILLS	S103878584	DALTON CONSTRUCTION	SLAUSON	90008	SLIC
LOS ANGELES	S101481035	WESTCHESTER 3 ACRE PROPERTY	ARIZONA CIR, ARIZONA AVE & CEN	90045	ENVIROSTOR

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/21/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/28/2017

Next Scheduled EDR Contact: 10/09/2017

Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 08/01/2017

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2017

Date Data Arrived at EDR: 01/31/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 112

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 08/01/2017

Next Scheduled EDR Contact: 11/13/2017

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017

Date Data Arrived at EDR: 02/15/2017

Date Made Active in Reports: 05/02/2017

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/17/2017

Next Scheduled EDR Contact: 08/28/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: see region list
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/06/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3372
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-6597
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-7439
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6271
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 06/21/2017
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-7591
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/31/2017	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 08/01/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/13/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 01/17/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 134

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/06/2017	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/07/2017	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 06/06/2017
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 06/28/2017
Number of Days to Update: 37	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/25/2017	Telephone: 916-845-8400
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/26/2017
Number of Days to Update: 105	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/14/2017	Telephone: 866-480-1028
Date Made Active in Reports: 05/02/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: (415) 495-8895
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/24/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/05/2017
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/12/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/14/2017
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/06/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/28/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/19/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 05/08/2017
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/05/2017
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/05/2017
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/28/2017
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/04/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-343-9775
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/12/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 05/31/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 06/02/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017	Source: Department of Interior
Date Data Arrived at EDR: 03/17/2017	Telephone: 202-208-2609
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 06/09/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017	Source: EPA
Date Data Arrived at EDR: 04/07/2017	Telephone: (415) 947-8000
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/19/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2017	Telephone: 202-564-2280
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 07/17/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 05/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/28/2016	Telephone: 916-323-3400
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 06/28/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/09/2017	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 04/11/2017	Telephone: 916-327-4498
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 07/13/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2014	Source: California Air Resources Board
Date Data Arrived at EDR: 09/23/2016	Telephone: 916-322-2990
Date Made Active in Reports: 10/24/2016	Last EDR Contact: 06/23/2017
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/23/2017	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/27/2017	Telephone: 916-445-9379
Date Made Active in Reports: 05/25/2017	Last EDR Contact: 08/03/2017
Number of Days to Update: 118	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/25/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/29/2016	Telephone: 916-255-3628
Date Made Active in Reports: 06/21/2016	Last EDR Contact: 07/21/2017
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2017	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/17/2017	Telephone: 916-341-6066
Date Made Active in Reports: 05/25/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 97	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/12/2016	Telephone: 916-255-1136
Date Made Active in Reports: 12/15/2016	Last EDR Contact: 07/12/2017
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirositor.

Date of Government Version: 11/21/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/22/2016	Telephone: 877-786-9427
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/22/2016	Telephone: 916-323-3400
Date Made Active in Reports: 01/23/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/13/2017	Telephone: 916-440-7145
Date Made Active in Reports: 04/26/2017	Last EDR Contact: 07/12/2017
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016	Source: Department of Conservation
Date Data Arrived at EDR: 09/14/2016	Telephone: 916-322-1080
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 06/14/2017
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016	Source: Department of Public Health
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-558-1784
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 06/06/2017
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/15/2016	Telephone: 916-445-9379
Date Made Active in Reports: 03/02/2017	Last EDR Contact: 05/17/2017
Number of Days to Update: 107	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/06/2016	Telephone: 916-445-4038
Date Made Active in Reports: 03/03/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 87	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/14/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 94

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 58

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List Cupa Facility list

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 05/04/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 92

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 73

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/31/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 07/05/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 30

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 111

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 101

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/13/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 101

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/07/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/02/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 63

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/13/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 76

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 96

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/27/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2017	Source: Health Care Agency
Date Data Arrived at EDR: 02/07/2017	Telephone: 714-834-3446
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 05/09/2017
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/02/2016	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 09/06/2016	Telephone: 530-745-2363
Date Made Active in Reports: 10/14/2016	Last EDR Contact: 06/02/2017
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 01/31/2017	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 02/03/2017	Telephone: 530-283-6355
Date Made Active in Reports: 05/25/2017	Last EDR Contact: 07/21/2017
Number of Days to Update: 111	Next Scheduled EDR Contact: 11/08/2017
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/18/2017	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/20/2017	Telephone: 951-358-5055
Date Made Active in Reports: 04/21/2017	Last EDR Contact: 06/19/2017
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/19/2017	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/25/2017	Telephone: 951-358-5055
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 06/19/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/06/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 105

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/07/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/16/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 02/21/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 91

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 89

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/24/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/04/2017
Date Data Arrived at EDR: 05/08/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 80

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 80

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2017
Date Data Arrived at EDR: 03/30/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 54

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 01/24/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 114

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List

Cupa facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 113

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/21/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa program facilities

Date of Government Version: 01/05/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/25/2017
Number of Days to Update: 104

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017	Source: Environmental Health Division
Date Data Arrived at EDR: 03/15/2017	Telephone: 805-654-2813
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 06/14/2017
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/25/2017
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/06/2017	Telephone: 530-666-8646
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 01/31/2017	Telephone: 530-749-7523
Date Made Active in Reports: 05/23/2017	Last EDR Contact: 07/27/2017
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/13/2017
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 05/15/2017
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/11/2017	Telephone: N/A
Date Made Active in Reports: 07/27/2017	Last EDR Contact: 07/10/2017
Number of Days to Update: 107	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LADERA PARK STORMWATER CAPTURE PROJECT
6027 LADERA PARK AVENUE
LOS ANGELES, CA 90056

TARGET PROPERTY COORDINATES

Latitude (North): 33.98816 - 33° 59' 17.38"
Longitude (West): 118.359837 - 118° 21' 35.41"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 374397.3
UTM Y (Meters): 3761482.0
Elevation: 232 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5640440 INGLEWOOD, CA
Version Date: 2012

Northeast Map: 5630741 HOLLYWOOD, CA
Version Date: 2012

Southwest Map: 5640438 VENICE, CA
Version Date: 2012

Northwest Map: 5630733 BEVERLY HILLS, CA
Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

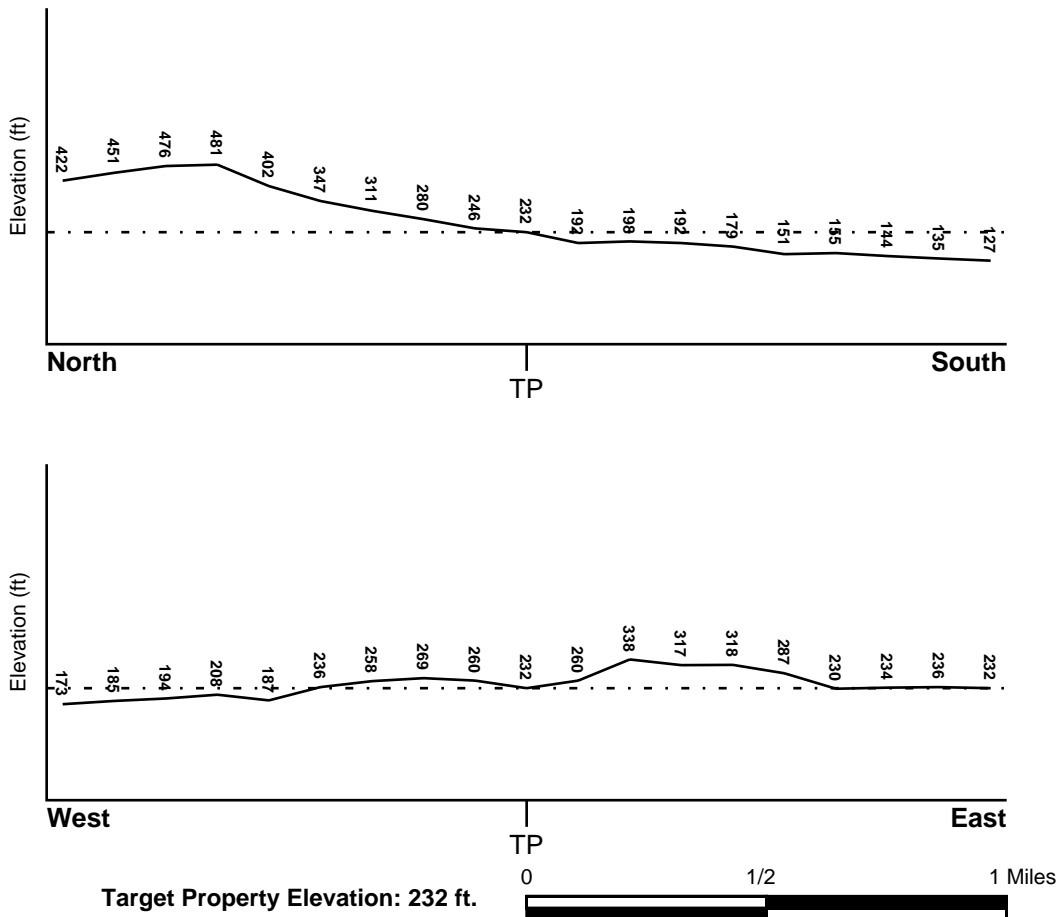
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06037C1780F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06037C1615F	FEMA FIRM Flood data
06037C1760F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
INGLEWOOD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Surficial Soil Types: sandy loam
 gravelly - sandy loam
 silt loam
 clay
 fine sand
 gravelly - sand
 sand
 fine sandy loam

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sandy clay
 sandy clay loam
 clay
 silty clay
 sand

Deeper Soil Types: gravelly - sandy loam
 sandy loam
 very gravelly - sandy loam
 stratified
 very fine sandy loam
 weathered bedrock
 sand
 gravelly - fine sandy loam
 silty clay loam
 clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CAOG11000206028	0 - 1/8 Mile North
A2	CAOG11000206372	0 - 1/8 Mile NW
A3	CAOG11000190650	0 - 1/8 Mile North
A4	CAOG11000190360	1/8 - 1/4 Mile North
A5	CAOG11000189017	1/8 - 1/4 Mile North
B6	CAOG11000206371	1/8 - 1/4 Mile NNW
B7	CAOG11000216804	1/8 - 1/4 Mile North
B8	CAOG11000216805	1/8 - 1/4 Mile North
B9	CAOG11000216811	1/8 - 1/4 Mile North
B11	CAOG11000216808	1/8 - 1/4 Mile North
B10	CAOG11000216807	1/8 - 1/4 Mile North
B12	CAOG11000193652	1/8 - 1/4 Mile NNW
13	CAOG11000205049	1/8 - 1/4 Mile South
C14	CAOG11000206182	1/8 - 1/4 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B15	CAOG11000206061	1/8 - 1/4 Mile NNW
C16	CAOG11000206051	1/8 - 1/4 Mile NW
B17	CAOG11000188622	1/8 - 1/4 Mile NNW
B18	CAOG11000206376	1/8 - 1/4 Mile NNW
B19	CAOG11000206326	1/8 - 1/4 Mile NNW
B20	CAOG11000216819	1/8 - 1/4 Mile North
B21	CAOG11000216820	1/4 - 1/2 Mile North
B22	CAOG11000216821	1/4 - 1/2 Mile North
B23	CAOG11000190377	1/4 - 1/2 Mile NNW
B24	CAOG11000216818	1/4 - 1/2 Mile North
B25	CAOG11000190200	1/4 - 1/2 Mile NNW
B26	CAOG11000190366	1/4 - 1/2 Mile North
B27	CAOG11000190367	1/4 - 1/2 Mile North
B29	CAOG11000190100	1/4 - 1/2 Mile NNW
B28	CAOG11000190099	1/4 - 1/2 Mile NNW
30	CAOG11000205794	1/4 - 1/2 Mile NNE
B31	CAOG11000190201	1/4 - 1/2 Mile North
C32	CAOG11000206294	1/4 - 1/2 Mile NW
D33	CAOG11000206288	1/4 - 1/2 Mile NW
E35	CAOG11000190362	1/4 - 1/2 Mile North
E34	CAOG11000190361	1/4 - 1/2 Mile North
D36	CAOG11000206178	1/4 - 1/2 Mile NW
F37	CAOG11000206072	1/4 - 1/2 Mile WNW
G38	CAOG11000206364	1/4 - 1/2 Mile North
D39	CAOG11000206045	1/4 - 1/2 Mile NNW
F40	CAOG11000206296	1/4 - 1/2 Mile WNW
G41	CAOG11000206378	1/4 - 1/2 Mile North
G43	CAOG11000193856	1/4 - 1/2 Mile North
G42	CAOG11000193855	1/4 - 1/2 Mile North
G44	CAOG11000206379	1/4 - 1/2 Mile North
H45	CAOG11000206071	1/4 - 1/2 Mile NNW
D46	CAOG11000206281	1/4 - 1/2 Mile NNW
G47	CAOG11000206237	1/4 - 1/2 Mile NNW
D48	CAOG11000206190	1/4 - 1/2 Mile NNW
H49	CAOG11000206041	1/4 - 1/2 Mile NNW
G50	CAOG11000200748	1/4 - 1/2 Mile NNW
E51	CAOG11000300872	1/4 - 1/2 Mile North
E52	CAOG11000215463	1/4 - 1/2 Mile North
E53	CAOG11000300520	1/4 - 1/2 Mile North
I54	CAOG11000206201	1/4 - 1/2 Mile WNW
E55	CAOG11000190364	1/4 - 1/2 Mile North
I56	CAOG11000206287	1/4 - 1/2 Mile NW
G57	CAOG11000190368	1/4 - 1/2 Mile NNW
D58	CAOG11000206067	1/4 - 1/2 Mile NW
G59	CAOG11000216649	1/4 - 1/2 Mile North
D60	CAOG11000206330	1/4 - 1/2 Mile NW
G61	CAOG11000190197	1/4 - 1/2 Mile North
J62	CAOG11000216645	1/4 - 1/2 Mile North
G63	CAOG11000215458	1/4 - 1/2 Mile North
G64	CAOG11000215462	1/4 - 1/2 Mile North
J65	CAOG11000190372	1/4 - 1/2 Mile North
H66	CAOG11000206218	1/4 - 1/2 Mile NNW
G67	CAOG11000190385	1/4 - 1/2 Mile North
J68	CAOG11000216650	1/4 - 1/2 Mile North
J69	CAOG11000216647	1/4 - 1/2 Mile North
J70	CAOG11000216648	1/4 - 1/2 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J71	CAOG11000190369	1/4 - 1/2 Mile North
J72	CAOG11000190370	1/4 - 1/2 Mile North
J73	CAOG11000188645	1/4 - 1/2 Mile North
J74	CAOG11000295621	1/4 - 1/2 Mile North
J75	CAOG11000194195	1/4 - 1/2 Mile NNW
J76	CAOG11000194194	1/4 - 1/2 Mile NNW
J77	CAOG11000217231	1/4 - 1/2 Mile North
J78	CAOG11000190380	1/4 - 1/2 Mile North
J79	CAOG11000295620	1/4 - 1/2 Mile North
J80	CAOG11000217213	1/4 - 1/2 Mile North
H81	CAOG11000190101	1/4 - 1/2 Mile NNW
J82	CAOG11000190263	1/4 - 1/2 Mile North
J83	CAOG11000190262	1/4 - 1/2 Mile North
J84	CAOG11000190264	1/4 - 1/2 Mile North
J85	CAOG11000190199	1/4 - 1/2 Mile North
I86	CAOG11000206291	1/4 - 1/2 Mile WNW
J87	CAOG11000215526	1/4 - 1/2 Mile North
J88	CAOG11000215525	1/4 - 1/2 Mile North
J89	CAOG11000190198	1/4 - 1/2 Mile North
J90	CAOG11000190388	1/4 - 1/2 Mile North
J91	CAOG11000206363	1/4 - 1/2 Mile NNW
J93	CAOG11000194197	1/4 - 1/2 Mile North
J92	CAOG11000194196	1/4 - 1/2 Mile North
J94	CAOG11000215457	1/4 - 1/2 Mile North
J95	CAOG11000206365	1/4 - 1/2 Mile North
J96	CAOG11000206366	1/4 - 1/2 Mile North
J97	CAOG11000190265	1/4 - 1/2 Mile North
J98	CAOG11000190378	1/4 - 1/2 Mile North
J99	CAOG11000190379	1/4 - 1/2 Mile North
J100	CAOG11000217144	1/4 - 1/2 Mile NNW
J101	CAOG11000217145	1/4 - 1/2 Mile NNW
K102	CAOG11000206217	1/4 - 1/2 Mile NNW
K103	CAOG11000190296	1/4 - 1/2 Mile NNW
L104	CAOG11000206059	1/4 - 1/2 Mile WNW
J105	CAOG11000215403	1/4 - 1/2 Mile North
J106	CAOG11000215404	1/4 - 1/2 Mile North
J107	CAOG11000190384	1/4 - 1/2 Mile North
M108	CAOG11000206249	1/4 - 1/2 Mile NW
J109	CAOG11000194198	1/4 - 1/2 Mile North
J110	CAOG11000194199	1/4 - 1/2 Mile North
K111	CAOG11000206060	1/4 - 1/2 Mile NNW
J113	CAOG11000188632	1/4 - 1/2 Mile North
J112	CAOG11000188631	1/4 - 1/2 Mile North
J114	CAOG11000190365	1/4 - 1/2 Mile North
J116	CAOG11000206375	1/4 - 1/2 Mile North
J115	CAOG11000206374	1/4 - 1/2 Mile North
J117	CAOG11000217154	1/4 - 1/2 Mile NNW
K118	CAOG11000190080	1/4 - 1/2 Mile NNW
L119	CAOG11000200730	1/4 - 1/2 Mile WNW
J120	CAOG11000190387	1/4 - 1/2 Mile North
J121	CAOG11000190095	1/4 - 1/2 Mile North
J122	CAOG11000190096	1/4 - 1/2 Mile North
K123	CAOG11000206240	1/4 - 1/2 Mile NNW
M124	CAOG11000214202	1/4 - 1/2 Mile NW
J125	CAOG11000215529	1/4 - 1/2 Mile North
J126	CAOG11000194200	1/4 - 1/2 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J127	CAOG11000194201	1/4 - 1/2 Mile North
K128	CAOG11000190108	1/4 - 1/2 Mile NNW
K129	CAOG11000190251	1/4 - 1/2 Mile NNW
K130	CAOG11000217153	1/4 - 1/2 Mile NNW
M131	CAOG11000190068	1/4 - 1/2 Mile NW
J132	CAOG11000190375	1/4 - 1/2 Mile North
L133	CAOG11000206203	1/4 - 1/2 Mile WNW
K134	CAOG11000206381	1/4 - 1/2 Mile North
K135	CAOG11000194240	1/4 - 1/2 Mile NNW
N136	CAOG11000215524	1/4 - 1/2 Mile North
J137	CAOG11000215487	1/4 - 1/2 Mile North
M138	CAOG11000206221	1/4 - 1/2 Mile NW
K139	CAOG11000206196	1/4 - 1/2 Mile NNW
N140	CAOG11000206377	1/4 - 1/2 Mile North
J141	CAOG11000190373	1/4 - 1/2 Mile North
J142	CAOG11000190374	1/4 - 1/2 Mile North
K143	CAOG11000217232	1/4 - 1/2 Mile NNW
N144	CAOG11000190363	1/4 - 1/2 Mile North
O145	CAOG11000190297	1/4 - 1/2 Mile NW
O146	CAOG11000206063	1/4 - 1/2 Mile NNW
K147	CAOG11000190241	1/4 - 1/2 Mile NNW
N148	CAOG11000190386	1/4 - 1/2 Mile North
P149	CAOG11000216845	1/4 - 1/2 Mile North
L150	CAOG11000209588	1/4 - 1/2 Mile WNW
M151	CAOG11000200737	1/4 - 1/2 Mile NW
P152	CAOG11000206064	1/4 - 1/2 Mile NNW
P153	CAOG11000216847	1/4 - 1/2 Mile North
P154	CAOG11000206382	1/4 - 1/2 Mile North
P155	CAOG11000216806	1/4 - 1/2 Mile North
L156	CAOG11000206222	1/4 - 1/2 Mile WNW
P157	CAOG11000216846	1/4 - 1/2 Mile North
O158	CAOG11000206215	1/4 - 1/2 Mile NNW
K159	CAOG11000206065	1/4 - 1/2 Mile NNW
O160	CAOG11000216832	1/4 - 1/2 Mile NNW
P161	CAOG11000188635	1/4 - 1/2 Mile NNW
K162	CAOG11000190299	1/4 - 1/2 Mile NNW
P163	CAOG11000206193	1/4 - 1/2 Mile NNW
L164	CAOG11000200733	1/4 - 1/2 Mile WNW
K165	CAOG11000194241	1/4 - 1/2 Mile NNW
K166	CAOG11000194242	1/4 - 1/2 Mile NNW
M167	CAOG11000188641	1/4 - 1/2 Mile NW
P168	CAOG11000193870	1/4 - 1/2 Mile NNW
K170	CAOG11000190135	1/4 - 1/2 Mile NNW
K169	CAOG11000190134	1/4 - 1/2 Mile NNW
K171	CAOG11000190136	1/4 - 1/2 Mile NNW
N172	CAOG11000216797	1/4 - 1/2 Mile North
K173	CAOG11000206220	1/4 - 1/2 Mile NNW
N174	CAOG11000216798	1/4 - 1/2 Mile North
O175	CAOG11000206246	1/4 - 1/2 Mile NW
N176	CAOG11000206370	1/4 - 1/2 Mile North
M177	CAOG11000209593	1/4 - 1/2 Mile NW
N178	CAOG11000216781	1/4 - 1/2 Mile North
N179	CAOG11000216780	1/4 - 1/2 Mile North
O180	CAOG11000206054	1/4 - 1/2 Mile NW
K181	CAOG11000304446	1/4 - 1/2 Mile NNW
N182	CAOG11000193093	1/4 - 1/2 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N183	CAOG11000193094	1/4 - 1/2 Mile North
N184	CAOG11000190381	1/4 - 1/2 Mile North
O185	CAOG11000193159	1/4 - 1/2 Mile NW
K186	CAOG11000206198	1/4 - 1/2 Mile NNW
Q187	CAOG11000209594	1/4 - 1/2 Mile WNW
K188	CAOG11000304448	1/4 - 1/2 Mile NNW
O189	CAOG11000206055	1/4 - 1/2 Mile NW
N190	CAOG11000215485	1/4 - 1/2 Mile North
R191	CAOG11000190308	1/4 - 1/2 Mile WNW
N192	CAOG11000206373	1/4 - 1/2 Mile North
O193	CAOG11000206053	1/4 - 1/2 Mile NW
P194	CAOG11000215486	1/4 - 1/2 Mile North
O195	CAOG11000206052	1/4 - 1/2 Mile NW
S196	CAOG11000206213	1/4 - 1/2 Mile NNW
P197	CAOG11000217233	1/4 - 1/2 Mile North
P198	CAOG11000217234	1/4 - 1/2 Mile North
P199	CAOG11000190371	1/2 - 1 Mile North
O201	CAOG11000215504	1/2 - 1 Mile NW
O200	CAOG11000215503	1/2 - 1 Mile NW
O202	CAOG11000206069	1/2 - 1 Mile NW
P203	CAOG11000216987	1/2 - 1 Mile North
T204	CAOG11000206202	1/2 - 1 Mile NW
S205	CAOG11000206195	1/2 - 1 Mile NNW
O206	CAOG11000190083	1/2 - 1 Mile NW
P207	CAOG11000188621	1/2 - 1 Mile North
S208	CAOG11000206310	1/2 - 1 Mile NNW
P209	CAOG11000297762	1/2 - 1 Mile North
P210	CAOG11000297763	1/2 - 1 Mile North
P211	CAOG11000200738	1/2 - 1 Mile North
Q212	CAOG11000206044	1/2 - 1 Mile WNW
S214	CAOG11000190305	1/2 - 1 Mile NNW
S215	CAOG11000190306	1/2 - 1 Mile NNW
S213	CAOG11000190304	1/2 - 1 Mile NNW
P216	CAOG11000194147	1/2 - 1 Mile North
Q217	CAOG11000206039	1/2 - 1 Mile WNW
R218	CAOG11000190227	1/2 - 1 Mile NW
P219	CAOG11000188636	1/2 - 1 Mile NNW
T220	CAOG11000190240	1/2 - 1 Mile NW
P221	CAOG11000194013	1/2 - 1 Mile North
S224	CAOG11000190291	1/2 - 1 Mile NNW
S223	CAOG11000190290	1/2 - 1 Mile NNW
S222	CAOG11000190289	1/2 - 1 Mile NNW
P225	CAOG11000190228	1/2 - 1 Mile NNW
R226	CAOG11000190081	1/2 - 1 Mile NW
P227	CAOG11000295029	1/2 - 1 Mile NNW
P228	CAOG11000206243	1/2 - 1 Mile North
P229	CAOG11000200749	1/2 - 1 Mile NNW
Q230	CAOG11000206046	1/2 - 1 Mile WNW
Q231	CAOG11000190222	1/2 - 1 Mile WNW
S232	CAOG11000190293	1/2 - 1 Mile NNW
T233	CAOG11000206317	1/2 - 1 Mile NW
R234	CAOG11000206295	1/2 - 1 Mile NW
P235	CAOG11000190357	1/2 - 1 Mile North
U236	CAOG11000190295	1/2 - 1 Mile NNW
P237	CAOG11000216812	1/2 - 1 Mile North
P238	CAOG11000188637	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
U239	CAOG11000206290	1/2 - 1 Mile NNW
S240	CAOG11000190107	1/2 - 1 Mile NNW
S241	CAOG11000190313	1/2 - 1 Mile NNW
P242	CAOG11000194146	1/2 - 1 Mile NNW
V243	CAOG11000190098	1/2 - 1 Mile NNW
V244	CAOG11000190106	1/2 - 1 Mile NNW
V245	CAOG11000206267	1/2 - 1 Mile NNW
W246	CAOG11000206367	1/2 - 1 Mile North
V247	CAOG11000190376	1/2 - 1 Mile NNW
S248	CAOG11000206068	1/2 - 1 Mile NNW
S249	CAOG11000190292	1/2 - 1 Mile NNW
U250	CAOG11000206244	1/2 - 1 Mile NW
W251	CAOG11000215464	1/2 - 1 Mile North
U253	CAOG11000215484	1/2 - 1 Mile NNW
U252	CAOG11000215483	1/2 - 1 Mile NNW
U254	CAOG11000206208	1/2 - 1 Mile NNW
W255	CAOG11000216439	1/2 - 1 Mile North
W256	CAOG11000190358	1/2 - 1 Mile North
W257	CAOG11000190359	1/2 - 1 Mile North
W258	CAOG11000216865	1/2 - 1 Mile North
W259	CAOG11000216866	1/2 - 1 Mile North
W260	CAOG11000216867	1/2 - 1 Mile North
T261	CAOG11000190311	1/2 - 1 Mile NW
W263	CAOG11000190383	1/2 - 1 Mile North
W262	CAOG11000190382	1/2 - 1 Mile North
U264	CAOG11000190086	1/2 - 1 Mile NNW
S265	CAOG11000216785	1/2 - 1 Mile NNW
U266	CAOG11000190069	1/2 - 1 Mile NW
S267	CAOG11000206256	1/2 - 1 Mile NNW
S268	CAOG11000194151	1/2 - 1 Mile NNW
S269	CAOG11000206286	1/2 - 1 Mile NNW
W270	CAOG11000206368	1/2 - 1 Mile North
U271	CAOG11000206245	1/2 - 1 Mile NW
V272	CAOG11000206273	1/2 - 1 Mile NNW
T273	CAOG11000206057	1/2 - 1 Mile NW
V274	CAOG11000211728	1/2 - 1 Mile North
V275	CAOG11000190169	1/2 - 1 Mile North
X276	CAOG11000206210	1/2 - 1 Mile NW
X277	CAOG11000206311	1/2 - 1 Mile NW
Y278	CAOG11000205981	1/2 - 1 Mile North
V280	CAOG11000194150	1/2 - 1 Mile North
V279	CAOG11000194149	1/2 - 1 Mile North
U281	CAOG11000206200	1/2 - 1 Mile NNW
Z282	CAOG11000206309	1/2 - 1 Mile NNW
V284	CAOG11000194144	1/2 - 1 Mile North
V283	CAOG11000194143	1/2 - 1 Mile North
X285	CAOG11000206062	1/2 - 1 Mile NW
X286	CAOG11000206037	1/2 - 1 Mile NW
U287	CAOG11000190067	1/2 - 1 Mile NNW
Z288	CAOG11000216810	1/2 - 1 Mile NNW
U289	CAOG11000206199	1/2 - 1 Mile NNW
V290	CAOG11000194021	1/2 - 1 Mile North
Z291	CAOG11000216834	1/2 - 1 Mile NNW
Z292	CAOG11000216835	1/2 - 1 Mile NNW
Z293	CAOG11000216809	1/2 - 1 Mile NNW
V294	CAOG11000206023	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
U295	CAOG11000206216	1/2 - 1 Mile NNW
Z296	CAOG11000190294	1/2 - 1 Mile NNW
Y297	CAOG11000190196	1/2 - 1 Mile North
Y298	CAOG11000215401	1/2 - 1 Mile North
Y299	CAOG11000215468	1/2 - 1 Mile North
V300	CAOG11000190054	1/2 - 1 Mile NNW
AA301	CAOG11000194105	1/2 - 1 Mile NNW
AB302	CAOG11000190122	1/2 - 1 Mile NW
Y303	CAOG11000190187	1/2 - 1 Mile North
AB304	CAOG11000215454	1/2 - 1 Mile NNW
AB305	CAOG11000214113	1/2 - 1 Mile NNW
AA306	CAOG11000216762	1/2 - 1 Mile NNW
AA307	CAOG11000216761	1/2 - 1 Mile NNW
AC308	CAOG11000305946	1/2 - 1 Mile North
AA309	CAOG11000216763	1/2 - 1 Mile NNW
AA310	CAOG11000216764	1/2 - 1 Mile NNW
Y311	CAOG11000206007	1/2 - 1 Mile North
AA312	CAOG11000217149	1/2 - 1 Mile NNW
Z313	CAOG11000188633	1/2 - 1 Mile NNW
Z314	CAOG11000188634	1/2 - 1 Mile NNW
Z315	CAOG11000206192	1/2 - 1 Mile NNW
X316	CAOG11000206180	1/2 - 1 Mile NW
AC317	CAOG11000215546	1/2 - 1 Mile North
X318	CAOG11000209592	1/2 - 1 Mile NW
AB319	CAOG11000190312	1/2 - 1 Mile NW
Z320	CAOG11000206209	1/2 - 1 Mile NNW
Z321	CAOG11000206274	1/2 - 1 Mile NNW
Z322	CAOG11000206272	1/2 - 1 Mile NNW
AC323	CAOG11000215528	1/2 - 1 Mile North
AA324	CAOG11000215453	1/2 - 1 Mile NNW
AC325	CAOG11000215527	1/2 - 1 Mile North
AC326	CAOG11000190189	1/2 - 1 Mile North
AC327	CAOG11000190190	1/2 - 1 Mile North
AC328	CAOG11000190191	1/2 - 1 Mile North
AC329	CAOG11000215449	1/2 - 1 Mile North
AA330	CAOG11000190195	1/2 - 1 Mile NNW
AC331	CAOG11000215477	1/2 - 1 Mile North
AB332	CAOG11000215482	1/2 - 1 Mile NW
AC333	CAOG11000216778	1/2 - 1 Mile North
AC334	CAOG11000205818	1/2 - 1 Mile North
AC335	CAOG11000205998	1/2 - 1 Mile North
AC336	CAOG11000216777	1/2 - 1 Mile North
AA337	CAOG11000190053	1/2 - 1 Mile NNW
X338	CAOG11000206223	1/2 - 1 Mile NW
AD339	CAOG11000206042	1/2 - 1 Mile WNW
AB340	CAOG11000206247	1/2 - 1 Mile NW
AD341	CAOG11000206299	1/2 - 1 Mile WNW
AA342	CAOG11000215402	1/2 - 1 Mile NNW
AD343	CAOG11000206282	1/2 - 1 Mile WNW
Y344	CAOG11000194483	1/2 - 1 Mile North
Z345	CAOG11000205971	1/2 - 1 Mile NNW
AE346	CAOG11000206308	1/2 - 1 Mile NNW
AD347	CAOG11000206048	1/2 - 1 Mile WNW
Z348	CAOG11000216801	1/2 - 1 Mile NNW
Y349	CAOG11000205982	1/2 - 1 Mile North
X350	CAOG11000190314	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AB351	CAOG11000200732	1/2 - 1 Mile NW
Y352	CAOG11000206016	1/2 - 1 Mile North
AC353	CAOG11000215466	1/2 - 1 Mile North
Z354	CAOG11000216800	1/2 - 1 Mile NNW
AB355	CAOG11000206219	1/2 - 1 Mile NW
Y356	CAOG11000215091	1/2 - 1 Mile North
AF357	CAOG11000209590	1/2 - 1 Mile NW
AA358	CAOG11000194487	1/2 - 1 Mile North
AG360	CAOG11000194090	1/2 - 1 Mile NNW
AG359	CAOG11000194089	1/2 - 1 Mile NNW
AA361	CAOG11000217214	1/2 - 1 Mile North
AA362	CAOG11000217215	1/2 - 1 Mile North
AH364	CAOG11000194485	1/2 - 1 Mile North
AH363	CAOG11000194484	1/2 - 1 Mile North
AG365	CAOG11000205817	1/2 - 1 Mile NNW
AA366	CAOG11000194480	1/2 - 1 Mile North
AG367	CAOG11000215551	1/2 - 1 Mile NNW
368	CAOG11000205266	1/2 - 1 Mile East
AB369	CAOG11000190082	1/2 - 1 Mile NNW
AF370	CAOG11000302325	1/2 - 1 Mile NW
AC371	CAOG11000215288	1/2 - 1 Mile North
AG372	CAOG11000216981	1/2 - 1 Mile NNW
AC373	CAOG11000188629	1/2 - 1 Mile North
AB374	CAOG11000190084	1/2 - 1 Mile NW
AF375	CAOG11000206285	1/2 - 1 Mile NW
AC376	CAOG11000194486	1/2 - 1 Mile North
AG377	CAOG11000190186	1/2 - 1 Mile NNW
AA378	CAOG11000190055	1/2 - 1 Mile North
AA379	CAOG11000190056	1/2 - 1 Mile North
AB380	CAOG11000206183	1/2 - 1 Mile NW
381	CAOG11000205050	1/2 - 1 Mile West
AC382	CAOG11000190151	1/2 - 1 Mile North
AC383	CAOG11000190152	1/2 - 1 Mile North
AF384	CAOG11000190243	1/2 - 1 Mile NW
AI385	CAOG11000193027	1/2 - 1 Mile North
AG386	CAOG11000190166	1/2 - 1 Mile NNW
AG387	CAOG11000215448	1/2 - 1 Mile NNW
AF388	CAOG11000190129	1/2 - 1 Mile NW
AF389	CAOG11000190130	1/2 - 1 Mile NW
AF390	CAOG11000190131	1/2 - 1 Mile NW
AG391	CAOG11000190158	1/2 - 1 Mile NNW
AG392	CAOG11000190193	1/2 - 1 Mile NNW
AE393	CAOG11000205834	1/2 - 1 Mile NNW
AI394	CAOG11000215465	1/2 - 1 Mile North
AE395	CAOG11000215502	1/2 - 1 Mile NNW
AH396	CAOG11000188623	1/2 - 1 Mile North
AI397	CAOG11000217212	1/2 - 1 Mile North
AE398	CAOG11000206271	1/2 - 1 Mile NNW
AH399	CAOG11000190168	1/2 - 1 Mile North
AJ400	CAOG11000190234	1/2 - 1 Mile NNW
AJ401	CAOG11000190235	1/2 - 1 Mile NNW
AE402	CAOG11000206018	1/2 - 1 Mile NNW
AI403	CAOG11000297935	1/2 - 1 Mile North
AF404	CAOG11000206300	1/2 - 1 Mile NW
AF405	CAOG11000191877	1/2 - 1 Mile NW
AJ406	CAOG11000217226	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AJ407	CAOG11000190123	1/2 - 1 Mile NW
AJ408	CAOG11000190124	1/2 - 1 Mile NW
AJ409	CAOG11000190125	1/2 - 1 Mile NW
AJ410	CAOG11000206050	1/2 - 1 Mile NW
AI411	CAOG11000216858	1/2 - 1 Mile North
AK412	CAOG11000214901	1/2 - 1 Mile NW
AG413	CAOG11000215508	1/2 - 1 Mile NNW
AG416	CAOG11000188628	1/2 - 1 Mile NNW
AG414	CAOG11000188626	1/2 - 1 Mile NNW
AG415	CAOG11000188627	1/2 - 1 Mile NNW
AK417	CAOG11000214903	1/2 - 1 Mile NW
AG418	CAOG11000205972	1/2 - 1 Mile NNW
AL420	CAOG11000193032	1/2 - 1 Mile North
AL419	CAOG11000193031	1/2 - 1 Mile North
AM421	CAOG11000206303	1/2 - 1 Mile NW
AG422	CAOG11000200722	1/2 - 1 Mile NNW
AJ423	CAOG11000206275	1/2 - 1 Mile NNW
AK424	CAOG11000214922	1/2 - 1 Mile NW
AJ425	CAOG11000200724	1/2 - 1 Mile NW
AI426	CAOG11000190194	1/2 - 1 Mile North
AI427	CAOG11000217258	1/2 - 1 Mile North
AG428	CAOG11000194012	1/2 - 1 Mile NNW
AK429	CAOG11000206021	1/2 - 1 Mile NW
AL430	CAOG11000215447	1/2 - 1 Mile North
AM431	CAOG11000188765	1/2 - 1 Mile NW
AM432	CAOG11000188766	1/2 - 1 Mile NW
AH433	CAOG11000190137	1/2 - 1 Mile North
AH434	CAOG11000190138	1/2 - 1 Mile North
AM435	CAOG11000206224	1/2 - 1 Mile NW
436	CAOG11000206369	1/2 - 1 Mile NNE
AM437	CAOG11000206280	1/2 - 1 Mile NW
AN438	CAOG11000205827	1/2 - 1 Mile NNW
AL439	CAOG11000190170	1/2 - 1 Mile North
AM440	CAOG11000206038	1/2 - 1 Mile NW
AI441	CAOG11000194191	1/2 - 1 Mile NNW
AJ442	CAOG11000215506	1/2 - 1 Mile NNW
AI443	CAOG11000194190	1/2 - 1 Mile NNW
AI444	CAOG11000190167	1/2 - 1 Mile NNW
AI445	CAOG11000200721	1/2 - 1 Mile North
AN446	CAOG11000216758	1/2 - 1 Mile NNW
AN447	CAOG11000216759	1/2 - 1 Mile NNW
AN448	CAOG11000216760	1/2 - 1 Mile NNW
AM449	CAOG11000206181	1/2 - 1 Mile NW
AN450	CAOG11000217146	1/2 - 1 Mile NNW
AO451	CAOG11000215467	1/2 - 1 Mile NNW
452	CAOG11000206073	1/2 - 1 Mile WNW
AO453	CAOG11000205835	1/2 - 1 Mile NNW
AN455	CAOG11000188625	1/2 - 1 Mile NNW
AN454	CAOG11000188624	1/2 - 1 Mile NNW
AO456	CAOG11000217196	1/2 - 1 Mile NNW
AO457	CAOG11000299955	1/2 - 1 Mile NNW
AP458	CAOG11000194192	1/2 - 1 Mile North
AJ459	CAOG11000206269	1/2 - 1 Mile NW
AP460	CAOG11000206008	1/2 - 1 Mile North
AO461	CAOG11000190162	1/2 - 1 Mile NNW
AO462	CAOG11000190185	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AQ463	CAOG11000215514	1/2 - 1 Mile NW
AP464	CAOG11000211727	1/2 - 1 Mile North
AQ465	CAOG11000297834	1/2 - 1 Mile NW
AP466	CAOG11000194193	1/2 - 1 Mile North
AQ467	CAOG11000206231	1/2 - 1 Mile NW
AO468	CAOG11000190052	1/2 - 1 Mile NNW
AQ469	CAOG11000190226	1/2 - 1 Mile NW
AN470	CAOG11000206010	1/2 - 1 Mile NNW
AQ471	CAOG11000191874	1/2 - 1 Mile NW
AQ472	CAOG11000205820	1/2 - 1 Mile NNW
AO473	CAOG11000206026	1/2 - 1 Mile NNW
AO474	CAOG11000216980	1/2 - 1 Mile NNW
AO475	CAOG11000194234	1/2 - 1 Mile NNW
AP476	CAOG11000206005	1/2 - 1 Mile North
AP477	CAOG11000205983	1/2 - 1 Mile North
AO478	CAOG11000194235	1/2 - 1 Mile NNW
AO479	CAOG11000206024	1/2 - 1 Mile NNW
AP480	CAOG11000194237	1/2 - 1 Mile North
AR481	CAOG11000200727	1/2 - 1 Mile NW
AO482	CAOG11000206020	1/2 - 1 Mile NNW
AO483	CAOG11000194238	1/2 - 1 Mile NNW
AS484	CAOG11000190181	1/2 - 1 Mile NNW
AS485	CAOG11000205828	1/2 - 1 Mile NNW
AT486	CAOG11000190179	1/2 - 1 Mile NNW
AP487	CAOG11000205977	1/2 - 1 Mile North
AT489	CAOG11000215512	1/2 - 1 Mile NNW
AT488	CAOG11000215511	1/2 - 1 Mile NNW
AU490	CAOG11000206302	1/2 - 1 Mile NW
AP491	CAOG11000194239	1/2 - 1 Mile North
AO492	CAOG11000190175	1/2 - 1 Mile NNW
AO493	CAOG11000205836	1/2 - 1 Mile NNW
AU494	CAOG11000206185	1/2 - 1 Mile NW
AQ495	CAOG11000206321	1/2 - 1 Mile NW
AR496	CAOG11000215489	1/2 - 1 Mile NW
AS497	CAOG11000215456	1/2 - 1 Mile NNW
AV498	CAOG11000206003	1/2 - 1 Mile NNW
AS499	CAOG11000194184	1/2 - 1 Mile NNW
AW501	CAOG11000188620	1/2 - 1 Mile North
AW500	CAOG11000188619	1/2 - 1 Mile North
AS502	CAOG11000194185	1/2 - 1 Mile NNW
AV503	CAOG11000297933	1/2 - 1 Mile NNW
AV504	CAOG11000217241	1/2 - 1 Mile NNW
AX505	CAOG11000190089	1/2 - 1 Mile NW
AR506	CAOG11000209595	1/2 - 1 Mile NW
AV507	CAOG11000194186	1/2 - 1 Mile NNW
AW508	CAOG11000206009	1/2 - 1 Mile North
AV509	CAOG11000205973	1/2 - 1 Mile NNW
AV510	CAOG11000206019	1/2 - 1 Mile NNW
AV511	CAOG11000194236	1/2 - 1 Mile North
AS512	CAOG11000206022	1/2 - 1 Mile NNW
AR513	CAOG11000206214	1/2 - 1 Mile NW
AR514	CAOG11000206297	1/2 - 1 Mile NW
AR515	CAOG11000206207	1/2 - 1 Mile NW
AW516	CAOG11000206013	1/2 - 1 Mile North
AT517	CAOG11000205821	1/2 - 1 Mile NNW
AX518	CAOG11000189648	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

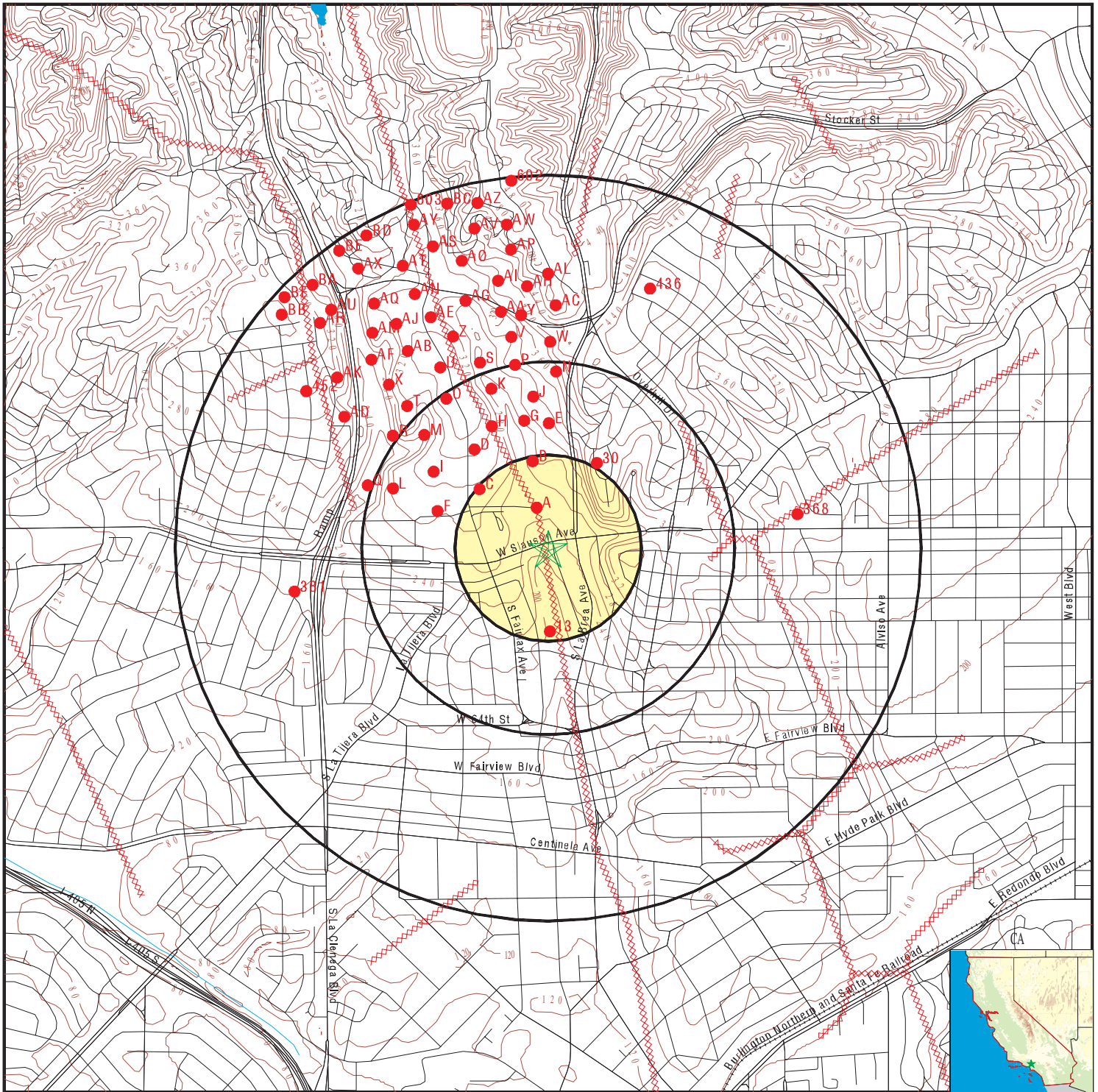
MAP ID	WELL ID	LOCATION FROM TP
AU519	CAOG11000206212	1/2 - 1 Mile NW
AT520	CAOG11000190180	1/2 - 1 Mile NNW
AV521	CAOG11000190188	1/2 - 1 Mile North
AX522	CAOG11000190110	1/2 - 1 Mile NNW
AV523	CAOG11000190176	1/2 - 1 Mile NNW
AV525	CAOG11000190154	1/2 - 1 Mile North
AV524	CAOG11000190153	1/2 - 1 Mile North
AX526	CAOG11000216796	1/2 - 1 Mile NNW
AS527	CAOG11000190159	1/2 - 1 Mile NNW
AS528	CAOG11000216856	1/2 - 1 Mile NNW
AS529	CAOG11000216857	1/2 - 1 Mile NNW
AS530	CAOG11000205829	1/2 - 1 Mile NNW
AV531	CAOG11000190155	1/2 - 1 Mile North
AX532	CAOG11000216795	1/2 - 1 Mile NNW
AV533	CAOG11000194187	1/2 - 1 Mile North
AX535	CAOG11000216552	1/2 - 1 Mile NW
AX534	CAOG11000216551	1/2 - 1 Mile NW
AX536	CAOG11000215513	1/2 - 1 Mile NNW
AU537	CAOG11000206316	1/2 - 1 Mile NW
AY538	CAOG11000190182	1/2 - 1 Mile NNW
AW539	CAOG11000205978	1/2 - 1 Mile North
AX541	CAOG11000188640	1/2 - 1 Mile NW
AX540	CAOG11000188639	1/2 - 1 Mile NW
AX542	CAOG11000217208	1/2 - 1 Mile NW
AX543	CAOG11000217207	1/2 - 1 Mile NW
AZ544	CAOG11000206006	1/2 - 1 Mile North
AY545	CAOG11000190192	1/2 - 1 Mile NNW
AX547	CAOG11000215562	1/2 - 1 Mile NW
AX546	CAOG11000215561	1/2 - 1 Mile NW
AX548	CAOG11000190093	1/2 - 1 Mile NW
AV549	CAOG11000190012	1/2 - 1 Mile NNW
BA550	CAOG11000190318	1/2 - 1 Mile NW
BA551	CAOG11000206066	1/2 - 1 Mile NW
AX552	CAOG11000190071	1/2 - 1 Mile NW
AX553	CAOG11000304450	1/2 - 1 Mile NW
AY554	CAOG11000194220	1/2 - 1 Mile NNW
BB555	CAOG11000206307	1/2 - 1 Mile NW
BA556	CAOG11000190229	1/2 - 1 Mile NW
AX557	CAOG11000190090	1/2 - 1 Mile NNW
AZ558	CAOG11000206015	1/2 - 1 Mile North
AY559	CAOG11000206025	1/2 - 1 Mile NNW
BA560	CAOG11000190126	1/2 - 1 Mile NW
BA561	CAOG11000191876	1/2 - 1 Mile NW
BA562	CAOG11000190238	1/2 - 1 Mile NW
AY563	CAOG11000194232	1/2 - 1 Mile NNW
AX564	CAOG11000216616	1/2 - 1 Mile NW
AX565	CAOG11000216617	1/2 - 1 Mile NW
AY568	CAOG11000194084	1/2 - 1 Mile NNW
AY567	CAOG11000194083	1/2 - 1 Mile NNW
AY566	CAOG11000194082	1/2 - 1 Mile NNW
BC569	CAOG11000194233	1/2 - 1 Mile NNW
BC570	CAOG11000217228	1/2 - 1 Mile NNW
AZ571	CAOG11000205974	1/2 - 1 Mile North
BA572	CAOG11000190085	1/2 - 1 Mile NW
BA573	CAOG11000188643	1/2 - 1 Mile NW
BD574	CAOG11000206270	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

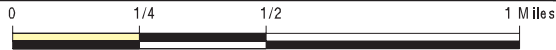
MAP ID	WELL ID	LOCATION FROM TP
BD575	CAOG11000300914	1/2 - 1 Mile NNW
AY576	CAOG11000205822	1/2 - 1 Mile NNW
AZ577	CAOG11000190163	1/2 - 1 Mile NNW
BD578	CAOG11000206289	1/2 - 1 Mile NNW
AY579	CAOG11000190171	1/2 - 1 Mile NNW
AY580	CAOG11000190172	1/2 - 1 Mile NNW
BB581	CAOG11000206211	1/2 - 1 Mile NW
AY582	CAOG11000205830	1/2 - 1 Mile NNW
BB583	CAOG11000200736	1/2 - 1 Mile NW
BB584	CAOG11000190223	1/2 - 1 Mile NW
AZ585	CAOG11000190177	1/2 - 1 Mile NNW
AY586	CAOG11000206277	1/2 - 1 Mile NNW
BA587	CAOG11000206236	1/2 - 1 Mile NW
BC588	CAOG11000190183	1/2 - 1 Mile NNW
BC589	CAOG11000303896	1/2 - 1 Mile NNW
AZ590	CAOG11000206014	1/2 - 1 Mile North
BE591	CAOG11000206204	1/2 - 1 Mile NW
BF592	CAOG11000190225	1/2 - 1 Mile NW
BA593	CAOG11000190239	1/2 - 1 Mile NW
BC594	CAOG11000216979	1/2 - 1 Mile NNW
BE595	CAOG11000206301	1/2 - 1 Mile NW
BD596	CAOG11000190075	1/2 - 1 Mile NNW
BD597	CAOG11000190076	1/2 - 1 Mile NNW
BF598	CAOG11000190224	1/2 - 1 Mile NW
BA599	CAOG11000206315	1/2 - 1 Mile NW
BC600	CAOG11000190013	1/2 - 1 Mile NNW
BA601	CAOG11000206043	1/2 - 1 Mile NW
602	CAOG11000205979	1/2 - 1 Mile North
603	CAOG11000190173	1/2 - 1 Mile NNW
BD604	CAOG11000206276	1/2 - 1 Mile NNW
BD605	CAOG11000190094	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 5017765.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Ladera Park Stormwater Capture Project
 ADDRESS: 6027 Ladera Park Avenue
 Los Angeles CA 90056
 LAT/LONG: 33.98816 / 118.359837

CLIENT: Aspen Environmental Group
 CONTACT: Lisa Blewitt
 INQUIRY #: 5017765.2s
 DATE: August 09, 2017 2:20 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
North
0 - 1/8 Mile

OIL_GAS CAOG11000206028

District nun:	1	Api number:	03707777
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Citrus	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000206028		

A2
NW
0 - 1/8 Mile

OIL_GAS CAOG11000206372

District nun:	1	Api number:	03708320
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206372		

A3
North
0 - 1/8 Mile

OIL_GAS CAOG11000190650

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03709079
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	245.118
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Marlow Burns	Wellnumber:	307
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190650		

**A4
North
1/8 - 1/4 Mile**

OIL_GAS CAOG11000190360

District nun:	1	Api number:	03708310
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	251.34
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Buckler	Wellnumber:	1A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190360		

**A5
North
1/8 - 1/4 Mile**

OIL_GAS CAOG11000189017

District nun:	1	Api number:	03702207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	249.888
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	2
Leasename:	Windsor Hills Community	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189017		

**B6
NNW
1/8 - 1/4 Mile**

OIL_GAS

CAOG11000206371

District nun:	1	Api number:	03708319
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206371		

**B7
North
1/8 - 1/4 Mile**

OIL_GAS

CAOG11000216804

District nun:	1	Api number:	03726683
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI Comm 1	Wellnumber:	2178
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6772		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216804		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B8
North
1/8 - 1/4 Mile

OIL_GAS CAOG11000216805

District nun:	1	Api number:	03726684
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Bradna Comm	Wellnumber:	2378
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6855		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216805		

B9
North
1/8 - 1/4 Mile

OIL_GAS CAOG11000216811

District nun:	1	Api number:	03726689
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Marlow Burns	Wellnumber:	2278
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6437		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216811		

B11
North
1/8 - 1/4 Mile

OIL_GAS CAOG11000216808

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726686
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	12 kb
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	ground elevation +272 sea level		
Leasename:	Marlow Burns	Wellnumber:	2478
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6533		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216808		

**B10
North
1/8 - 1/4 Mile**

OIL_GAS CAOG11000216807

District nun:	1	Api number:	03726686
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	12 kb
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	ground elevation +272 sea level		
Leasename:	Marlow Burns	Wellnumber:	2478
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6533		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216807		

**B12
NNW
1/8 - 1/4 Mile**

OIL_GAS CAOG11000193652

District nun:	1	Api number:	03722012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	253.479
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	1-16
Leasename:	Ladera Park	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000193652		

13

South

1/8 - 1/4 Mile

OIL_GAS

CAOG11000205049

District nun:	1	Api number:	03705976
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	21
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A. Investment 2	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205049		

C14

NW

1/8 - 1/4 Mile

OIL_GAS

CAOG11000206182

District nun:	1	Api number:	03708006
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	99
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206182		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B15
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG11000206061

District nun:	1	Api number:	03707843
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	290
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206061		

C16
NW
1/8 - 1/4 Mile

OIL_GAS CAOG11000206051

District nun:	1	Api number:	03707827
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	269
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206051		

B17
NNW
1/8 - 1/4 Mile

OIL_GAS CAOG11000188622

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700196
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	248.48
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32407229.ssf		
Leasename:	Windsor Hills Community	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188622		

**B18
NNW
1/8 - 1/4 Mile**

OIL_GAS CAOG11000206376

District nun:	1	Api number:	03708335
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206376		

**B19
NNW
1/8 - 1/4 Mile**

OIL_GAS CAOG11000206326

District nun:	1	Api number:	03708244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	87-A
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206326		

**B20
North
1/8 - 1/4 Mile**

OIL_GAS CAOG11000216819

District nun:	1	Api number:	03726697
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	707
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2775		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000216819		

**B21
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000216820

District nun:	1	Api number:	03726698
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	801
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2655		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216820		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B22
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216821

District nun:	1	Api number:	03726698
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	801
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2655		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216821		

B23
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190377

District nun:	1	Api number:	03708333
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	252.774
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	324
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190377		

B24
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216818

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726696
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	705
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2680		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216818		

B25
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190200

District nun:	1	Api number:	03707774
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	250.011
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Bradna	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190200		

B26
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190366

District nun:	1	Api number:	03708324
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	289.458
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	17
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190366		

B27
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190367

District nun:	1	Api number:	03708324
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	289.458
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190367		

B29
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190100

District nun:	1	Api number:	03708105
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	259.812
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190100		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

B28
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190099

District nun:	1	Api number:	03708105
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	259.812
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190099		

30
NNE
1/4 - 1/2 Mile

OIL_GAS CAOG11000205794

District nun:	1	Api number:	03707384
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Silver Petro. Co.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin Hills	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205794		

B31
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190201

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707775
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	247.997
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Bradna-LC-LW	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190201		

**C32
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206294

District nun:	1	Api number:	03708191
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	225
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206294		

**D33
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206288

District nun:	1	Api number:	03708182
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	215
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206288		

E35
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190362

District nun:	1	Api number:	03708315
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.526
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190362		

E34
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190361

District nun:	1	Api number:	03708315
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.526
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190361		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D36

NW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206178

District nun:	1	Api number:	03708001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	94
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206178		

F37

WNW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206072

District nun:	1	Api number:	03707864
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	402
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206072		

G38

North

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206364

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708311
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206364		

**D39
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206045

District nun:	1	Api number:	03707816
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	255
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206045		

**F40
WNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206296

District nun:	1	Api number:	03708194
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	228
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206296		

**G41
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206378

District nun:	1	Api number:	03708338
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206378		

**G43
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000193856

District nun:	1	Api number:	03722475
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	281.434
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-LAI-LW	Wellnumber:	317
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193856		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G42
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000193855

District nun:	1	Api number:	03722475
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	281.434
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-LAI-LW	Wellnumber:	317
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193855		

G44
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206379

District nun:	1	Api number:	03708342
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	201
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206379		

H45
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206071

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707862
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	334
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206071		

**D46
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206281

District nun:	1	Api number:	03708169
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	201
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206281		

**G47
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206237

District nun:	1	Api number:	03708094
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	34
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206237		

**D48
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206190

District nun:	1	Api number:	03708016
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206190		

**H49
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206041

District nun:	1	Api number:	03707808
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	247
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206041		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G50
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000200748

District nun:	1	Api number:	03700265
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker-L.A.I.-1 L.W.	Wellnumber:	202
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000200748		

E51
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000300872

District nun:	1	Api number:	03730242
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	324
Locationde:	The location of the well is 1050 ft SLY along section line and 414 ft Ely at right angles to said line from the NW corner of secti		
Gissourcec:	noi		
Comments:	If well is to be directionally drilled, show proposed coordinates (from surface location) and true verticle depth at total depth: 1		
Leasename:	Stocker	Wellnumber:	6884
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000300872		

E52
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215463

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725280
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	652
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2885		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215463		

**E53
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000300520

District nun:	1	Api number:	03730216
Blm well:	N	Redrill can:	CL
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 324
Locationde:	Well 1039' sly along property line and 410' ely at right angles to said line from the northwest corner of property Stocker lease.		
Gissourcec:	noi		
Comments:	Well is directionally drilled, show proposed coordinates from surface location and true vertical depth at total depth: 110' north		
Leasename:	Stocker	Wellnumber:	6971
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000300520		

**I54
WNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206201

District nun:	1	Api number:	03708034
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	129
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206201		

**E55
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190364

District nun:	1	Api number:	03708322
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	306.325
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190364		

**I56
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206287

District nun:	1	Api number:	03708180
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	213
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206287		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G57
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190368

District nun:	1	Api number:	03708325
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	290.186
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190368		

D58
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206067

District nun:	1	Api number:	03707853
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	301
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206067		

G59
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216649

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726514
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Marlow Burns	Wellnumber:	1878 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	6249		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216649		

**D60
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206330

District nun:	1	Api number:	03708250
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	93
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206330		

**G61
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190197

District nun:	1	Api number:	03707771
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	313.912
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	1
Leasename:	Bradna	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190197		

**J62
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000216645

District nun:	1	Api number:	03726511
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	1078 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5680		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216645		

**G63
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000215458

District nun:	1	Api number:	03725274
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	14
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	ground elevation +292' sea level		
Leasename:	STK-LAI-LW	Wellnumber:	501
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2890		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215458		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G64
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215462

District nun:	1	Api number:	03725279
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-LAI-LW	Wellnumber:	503
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2815		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215462		

J65
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190372

District nun:	1	Api number:	03708329
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	314.002
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	25
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190372		

H66
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206218

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708067
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	163
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206218		

G67
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190385

District nun:	1	Api number:	03708347
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	293.076
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-LAI-LW	Wellnumber:	302
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190385		

J68
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216650

District nun:	1	Api number:	03726515
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1578 I
Leasename:	Marlow Burns	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	6296		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216650		

J69
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000216647

District nun:	1	Api number:	03726513
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	778 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5805		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216647		

J70
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000216648

District nun:	1	Api number:	03726513
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	778 I
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5805		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216648		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J71
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190369

District nun:	1	Api number:	03708326
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	321.014
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190369		

J72
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190370

District nun:	1	Api number:	03708326
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	321.014
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190370		

J73
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000188645

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700232
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	328.463
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188645		

J74
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000295621

District nun:	1	Api number:	03730038
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 305
Locationde:	well 857' southerly along property line 88' easterly at right angles to said line from the Northwest coner of section property Sto		
Gissourcec:	sum		
Comments:	well is directionally drilled show proposed coordinates from surface location ad true vertical dpeth at total depth. 191' South ar		
Leasename:	STK-LAI 1	Wellnumber:	6961
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	04-APR-13
Welldeptha:	2788		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	17-MAY-13
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000295621		

J75
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000194195

District nun:	1	Api number:	03723405
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	292.29
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	501
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194195		

**J76
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000194194

District nun:	1	Api number:	03723404
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	292.18
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-LAI-LW	Wellnumber:	500
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194194		

**J77
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000217231

District nun:	1	Api number:	03727200
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	12
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Ground level +317.43 sea level		
Leasename:	Stocker	Wellnumber:	6874
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	31-JUL-13
Welldeptha:	3419		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	10-SEP-13
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000217231		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J78
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190380

District nun:	1	Api number:	03708339
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	315.131
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190380		

J79
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000295620

District nun:	1	Api number:	03730037
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 304
Locationde:	well 842' southerly along property line 85' easterly at right angles to said line from the Northwest coner of section property Sto		
Gissourcec:	noi		
Comments:	well is directionally drilled show proposed coordinates from surface location and true vertical depth at total depth: 106' north		
Leasename:	STK-LAI 1	Wellnumber:	6864
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	29-MAR-13
Welldeptha:	3315		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	17-MAY-13
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000295620		

J80
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000217213

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727178
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	12 KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Ground Elevation +318' sea level		
Leasename:	Stocker	Wellnumber:	3468
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	08-AUG-13
Welldeptha:	5864		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	19-SEP-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217213		

**H81
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190101

District nun:	1	Api number:	03708106
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	287.636
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190101		

**J82
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190263

District nun:	1	Api number:	03707883
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.959
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	306
Leasename:	Marlow Burns	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190263		

J83
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000190262

District nun:	1	Api number:	03707882
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295.817
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Marlow Burns	Wellnumber:	305
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190262		

J84
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000190264

District nun:	1	Api number:	03707884
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	322.548
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Marlow Burns-Bradna-L.A.I.-L.W.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190264		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J85
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190199

District nun:	1	Api number:	03707773
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	294.597
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Bradna	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190199		

I86
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206291

District nun:	1	Api number:	03708186
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	219
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206291		

J87
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215526

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725352
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	655
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2796		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000215526		

J88
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215525

District nun:	1	Api number:	03725351
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	654
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2706		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215525		

J89
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190198

District nun:	1	Api number:	03707772
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	308.856
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	2
Leasename:	Bradna	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190198		

**J90
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190388

District nun:	1	Api number:	03708350
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	294.561
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-Marlow Burns	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190388		

**J91
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206363

District nun:	1	Api number:	03708309
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-LAI-LW	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206363		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J93
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000194197

District nun:	1	Api number:	03723406
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	321.884
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	API given as 03623406 should be 03723406, well # given as 250, should be 502 API given as 03623406 should be 03723406		
Leasename:	Stocker	Wellnumber:	502
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194197		

J92
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000194196

District nun:	1	Api number:	03723406
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	321.884
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	API given as 03623406 should be 03723406, well # given as 250, should be 502 API given as 03623406 should be 03723406		
Leasename:	Stocker	Wellnumber:	502
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194196		

J94
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215457

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725273
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-LAI-LW	Wellnumber:	502
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2607		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215457		

J95
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206365

District nun:	1	Api number:	03708312
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206365		

J96
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206366

District nun:	1	Api number:	03708313
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	4
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206366		

J97
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190265

District nun:	1	Api number:	03707885
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	316.038
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Marlow Burns	Wellnumber:	302
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190265		

J98
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190378

District nun:	1	Api number:	03708337
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	317.132
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	01-JAN-12
Welldeptha:	3250		
Redrillfoo:	3304		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190378		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J99
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190379

District nun:	1	Api number:	03708337
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	317.132
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	01-JAN-12
Welldeptha:	3250		
Redrillfoo:	3304		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190379		

J100
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000217144

District nun:	1	Api number:	03727080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	304
Locationde:	Not Reported		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI1-STK	Wellnumber:	3268
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	25-MAY-13
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000217144		

J101
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000217145

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727080
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	304
Locationde:	Not Reported		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI1-STK	Wellnumber:	3268
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	25-MAY-13
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000217145		

**K102
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206217

District nun:	1	Api number:	03708064
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	160
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206217		

**K103
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190296

District nun:	1	Api number:	03708025
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	337.519
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	120
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190296		

**L104
WNW
1/4 - 1/2 Mile**

OIL_GAS

CAOG11000206059

District nun:	1	Api number:	03707840
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	285
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206059		

**J105
North
1/4 - 1/2 Mile**

OIL_GAS

CAOG11000215403

District nun:	1	Api number:	03725208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	651
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2600		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215403		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J106
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215404

District nun:	1	Api number:	03725208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	651
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2600		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215404		

J107
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190384

District nun:	1	Api number:	03708343
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	319.724
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	301
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190384		

M108
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206249

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708118
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206249		

J109
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000194198

District nun:	1	Api number:	03723407
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	315.221
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	503
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194198		

J110
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000194199

District nun:	1	Api number:	03723407
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	315.221
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	503
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194199		

**K111
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206060

District nun:	1	Api number:	03707841
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	286
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206060		

**J113
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000188632

District nun:	1	Api number:	03700205
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295.317
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Bradna	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188632		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J112
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000188631

District nun:	1	Api number:	03700205
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295.317
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Bradna	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188631		

J114
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190365

District nun:	1	Api number:	03708323
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	335.954
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190365		

J116
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206375

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708334
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206375		

**J115
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206374

District nun:	1	Api number:	03708334
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206374		

**J117
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000217154

District nun:	1	Api number:	03727091
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	303'
Locationde:	From NW corner Stocker Fee; southerly 676.67 feet, easterly 45.77 feet at right angles.		
Gissourcec:	sum		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	KB = 12'	Wellnumber:	460
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	14-JUL-10
Confidenti:	N	Completion:	01-SEP-10
Welldeptha:	3450	Gissymbol:	AOG
Redrillfoo:	0		
Abandonedd:	Not Reported		
Directiona:	Directionally drilled		
Site id:	CAOG11000217154		

**K118
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000190080

District nun:	1	Api number:	03708051
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	341.248
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	147
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190080		

**L119
WNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000200730

District nun:	1	Api number:	03700218
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	170
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200730		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J120
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190387

District nun:	1	Api number:	03708349
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	325.898
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-Marlow Burns	Wellnumber:	1-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190387		

J121
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190095

District nun:	1	Api number:	03708101
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	297.672
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-Comm-BC	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190095		

J122
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190096

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708101
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	297.672
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-Comm-BC	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190096		

**K123
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206240

District nun:	1	Api number:	03708098
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	260 GL
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	38
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206240		

**M124
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000214202

District nun:	1	Api number:	03720726
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	268' GL
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	322
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214202		

**J125
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000215529

District nun:	1	Api number:	03725355
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-LAI-1	Wellnumber:	504
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2671		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215529		

**J126
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000194200

District nun:	1	Api number:	03723408
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	338.057
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	504
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194200		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J127
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000194201

District nun:	1	Api number:	03723408
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	338.057
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	504
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194201		

K128
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190108

District nun:	1	Api number:	03708116
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	359.201
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190108		

K129
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190251

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707863
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295.991
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	338-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190251		

**K130
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000217153

District nun:	1	Api number:	03727090
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	305' KB
Locationde:	626' Southerly along property line 11' Westerly at right angles to said line from the Northwest property Stocker Fee KB =12'		
Gissourcec:	sum		
Comments:	well is directionally drilled show proposed coordinates from surface location and true vertical depth at total depth 161' south a		
Leasename:	LAI1-STK	Wellnumber:	3068
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	09-JUN-13
Welldeptha:	6214		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	17-JUL-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217153		

**M131
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190068

District nun:	1	Api number:	03708035
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	247.132
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	130
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190068		

J132
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190375

District nun:	1	Api number:	03708331
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.75
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Marlow Burns-L.A.I. Community-L	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190375		

L133
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206203

District nun:	1	Api number:	03708040
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	135
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K134
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206381

District nun:	1	Api number:	03708345
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker-L.A.I.-1 L.W.	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206381		

K135
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000194240

District nun:	1	Api number:	03723436
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	294.42
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	366
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194240		

N136
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215524

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725349
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	653
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2835		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215524		

J137
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215487

District nun:	1	Api number:	03725307
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-BC	Wellnumber:	416
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2653		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215487		

M138
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206221

District nun:	1	Api number:	03708070
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	166
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206221		

**K139
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206196

District nun:	1	Api number:	03708028
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	123-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206196		

**N140
North**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206377

District nun:	1	Api number:	03708336
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206377		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

J141
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190373

District nun:	1	Api number:	03708330
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	314.719
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190373		

J142
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190374

District nun:	1	Api number:	03708330
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	314.719
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190374		

K143
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000217232

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295
Locationde:	Not Reported		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	6843
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000217232		

**N144
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190363

District nun:	1	Api number:	03708321
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	328.105
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190363		

**O145
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000190297

District nun:	1	Api number:	03708027
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	328.662
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	122
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190297		

**O146
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206063

District nun:	1	Api number:	03707846
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	293
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206063		

**K147
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000190241

District nun:	1	Api number:	03707842
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	269.188
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	287
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190241		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N148

North

1/4 - 1/2 Mile

OIL_GAS

CAOG11000190386

District nun:	1	Api number:	03708348
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	316.113
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker-L.A.I.-1 L.W.	Wellnumber:	316
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190386		

P149

North

1/4 - 1/2 Mile

OIL_GAS

CAOG11000216845

District nun:	1	Api number:	03726722
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2078
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5665		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216845		

L150

WNW

1/4 - 1/2 Mile

OIL_GAS

CAOG11000209588

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03713508
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	173
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209588		

**M151
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000200737

District nun:	1	Api number:	03700230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	307
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200737		

**P152
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206064

District nun:	1	Api number:	03707848
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	296
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206064		

P153
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000216847

District nun:	1	Api number:	03726725
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2668
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5600		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216847		

P154
North
1/4 - 1/2 Mile

OIL_GAS

CAOG11000206382

District nun:	1	Api number:	03708346
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker-L.A.I.-1 L.W.	Wellnumber:	216
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWD
Site id:	CAOG11000206382		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P155
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216806

District nun:	1	Api number:	03726685
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2468
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5474		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216806		

L156
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206222

District nun:	1	Api number:	03708072
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206222		

P157
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216846

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726724
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2568
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5520		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216846		

**O158
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206215

District nun:	1	Api number:	03708062
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	158
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206215		

**K159
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206065

District nun:	1	Api number:	03707849
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	297
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206065		

**O160
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000216832

District nun:	1	Api number:	03726707
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	2368
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5746		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216832		

**P161
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000188635

District nun:	1	Api number:	03700209
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	300.06
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188635		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K162
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190299

District nun:	1	Api number:	03708174
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	295.426
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	207
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190299		

P163
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206193

District nun:	1	Api number:	03708021
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	116
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206193		

L164
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000200733

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700223
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	239
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200733		

**K165
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000194241

District nun:	1	Api number:	03723437
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	311
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	32406178.ssf KB = 12'		
Leasename:	Stocker	Wellnumber:	650
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-AUG-11
Welldeptha:	2575		
Redrillfoo:	2145		
Abandonedd:	Not Reported	Completion:	14-SEP-11
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194241		

**K166
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000194242

District nun:	1	Api number:	03723437
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	311
Locationde:	Not Reported		
Gissourcec:	sum		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf KB = 12'	Wellnumber:	650
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	20-AUG-11
Confidenti:	N	Completion:	14-SEP-11
Welldeptha:	2575	Gissymbol:	AWF
Redrillfoo:	2145		
Abandonedd:	Not Reported		
Directiona:	Unknown		
Site id:	CAOG11000194242		

**M167
NW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000188641

District nun:	1	Api number:	03700222
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	270.866
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	222
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188641		

**P168
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000193870

District nun:	1	Api number:	03722539
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	300.066
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	347
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193870		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

K170
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190135

District nun:	1	Api number:	03708170
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	293.51
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	202
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190135		

K169
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190134

District nun:	1	Api number:	03708170
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	293.51
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	202
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190134		

K171
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190136

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708170
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	293.51
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	202
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190136		

N172
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216797

District nun:	1	Api number:	03726674
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	208
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3160		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216797		

K173
NNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206220

District nun:	1	Api number:	03708069
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	165
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206220		

**N174
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000216798

District nun:	1	Api number:	03726675
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	109
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3200		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216798		

**O175
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206246

District nun:	1	Api number:	03708114
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206246		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N176
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206370

District nun:	1	Api number:	03708318
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206370		

M177
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000209593

District nun:	1	Api number:	03713517
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	236
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209593		

N178
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000216781

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726655
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	309
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3290		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216781		

**N179
North
1/4 - 1/2 Mile**

OIL_GAS CAOG11000216780

District nun:	1	Api number:	03726654
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	209
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3173		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216780		

**O180
NW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206054

District nun:	1	Api number:	03707830
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	272
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206054		

**K181
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000304446

District nun:	1	Api number:	03730403
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	283kb
Locationde:	464 ft SLY along property line and 366 ft WLY at right angles to said line from the Southwest corner of property Stocker Fee L		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	6853
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000304446		

**N182
North**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000193093

District nun:	1	Api number:	03720364
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	378.7
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193093		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N183
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000193094

District nun:	1	Api number:	03720364
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	378.7
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	39
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000193094		

N184
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000190381

District nun:	1	Api number:	03708340
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	379.27
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190381		

O185
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000193159

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03720671
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	339.371
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	321
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193159		

**K186
NNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000206198

District nun:	1	Api number:	03708030
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	125
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206198		

**Q187
WNW
1/4 - 1/2 Mile**

OIL_GAS CAOG11000209594

District nun:	1	Api number:	03713518
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	237
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209594		

**K188
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000304448

District nun:	1	Api number:	03730404
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	283kb
Locationde:	450 ft SLY along property line and 374 ft WLY at right angles to said line from the Northwest corner of property LAI 1 Lease		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	6863
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000304448		

**O189
NW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206055

District nun:	1	Api number:	03707831
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	273
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206055		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

N190
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215485

District nun:	1	Api number:	03725305
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-BC	Wellnumber:	415
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2685		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215485		

R191
WNW
1/4 - 1/2 Mile

OIL_GAS CAOG11000190308

District nun:	1	Api number:	03708189
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	205.526
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32407229.ssf		
Leasename:	LAI 1	Wellnumber:	223
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190308		

N192
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000206373

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708327
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206373		

O193
NW
1/4 - 1/2 Mile

OIL_GAS CAOG11000206053

District nun:	1	Api number:	03707829
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	271
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206053		

P194
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000215486

District nun:	1	Api number:	03725306
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	STK-LAI-BC-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	2586		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215486		

**O195
NW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206052

District nun:	1	Api number:	03707828
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	270
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PSF
Site id:	CAOG11000206052		

**S196
NNW**

1/4 - 1/2 Mile

OIL_GAS

CAOG11000206213

District nun:	1	Api number:	03708060
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	156
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206213		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P197
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000217233

District nun:	1	Api number:	03727202
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12'
Locationde:	Not Reported		
Gissourcec:	noi		
Comments:	Ground level +335.06' sea level		
Leasename:	Stocker	Wellnumber:	3568
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000217233		

P198
North
1/4 - 1/2 Mile

OIL_GAS CAOG11000217234

District nun:	1	Api number:	03727202
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12'
Locationde:	Not Reported		
Gissourcec:	noi		
Comments:	Ground level +335.06' sea level		
Leasename:	Stocker	Wellnumber:	3568
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000217234		

P199
North
1/2 - 1 Mile

OIL_GAS CAOG11000190371

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708328
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	351.689
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190371		

**O201
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215504

District nun:	1	Api number:	03725327
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	387
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4821		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215504		

**O200
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000215503

District nun:	1	Api number:	03725327
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	387
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	4821		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215503		

O202

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000206069

District nun:	1	Api number:	03707856
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	304
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206069		

P203

North

1/2 - 1 Mile

OIL_GAS

CAOG11000216987

District nun:	1	Api number:	03726874
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	430
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216987		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

T204
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206202

District nun:	1	Api number:	03708039
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	134
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206202		

S205
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206195

District nun:	1	Api number:	03708026
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	121
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206195		

O206
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190083

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708065
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	332.198
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	161
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190083		

P207
North
1/2 - 1 Mile

OIL_GAS CAOG11000188621

District nun:	1	Api number:	03700195
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	351.109
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	105
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188621		

S208
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206310

District nun:	1	Api number:	03708211
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	51
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206310		

P209
North
1/2 - 1 Mile

OIL_GAS

CAOG11000297762

District nun:	1	Api number:	03730106
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12
Locationde:	Well 222' SLY along section property line and 60' ELY at right angles to said line from the Northwest corner of property Stock		
Gissourcec:	noi		
Comments:	Well is directionally drilled, show proposed coordinates from surface location and true vertical depth at total depth: 15' north a		
Leasename:	Stocker	Wellnumber:	3168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	16-OCT-13
Welldeptha:	5451		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000297762		

P210
North
1/2 - 1 Mile

OIL_GAS

CAOG11000297763

District nun:	1	Api number:	03730106
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12
Locationde:	Well 222' SLY along section property line and 60' ELY at right angles to said line from the Northwest corner of property Stock		
Gissourcec:	noi		
Comments:	Well is directionally drilled, show proposed coordinates from surface location and true vertical depth at total depth: 15' north a		
Leasename:	Stocker	Wellnumber:	3168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	16-OCT-13
Welldeptha:	5451		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000297763		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P211
North
1/2 - 1 Mile

OIL_GAS CAOG11000200738

District nun:	1	Api number:	03700231
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	37
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200738		

Q212
WNW
1/2 - 1 Mile

OIL_GAS CAOG11000206044

District nun:	1	Api number:	03707815
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	254
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206044		

S214
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190305

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	267.688
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	216
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	2013		
Abandonedd:	Not Reported	Completion:	23-FEB-12
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190305		

**S215
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190306

District nun:	1	Api number:	03708183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	267.688
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	216
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	2013		
Abandonedd:	Not Reported	Completion:	23-FEB-12
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190306		

**S213
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190304

District nun:	1	Api number:	03708183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	267.688
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	216
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	2013		
Abandonedd:	Not Reported	Completion:	23-FEB-12
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190304		

P216
North
1/2 - 1 Mile

OIL_GAS CAOG11000194147

District nun:	1	Api number:	03723233
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	346.651
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-BC-LW	Wellnumber:	413
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000194147		

Q217
WNW
1/2 - 1 Mile

OIL_GAS CAOG11000206039

District nun:	1	Api number:	03707806
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	245
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206039		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

R218
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190227

District nun:	1	Api number:	03707814
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	233.918
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	253
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190227		

P219
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000188636

District nun:	1	Api number:	03700210
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	317.509
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188636		

T220
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190240

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707839
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	323.38
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	284
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190240		

P221
North
1/2 - 1 Mile

OIL_GAS CAOG11000194013

District nun:	1	Api number:	03722982
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	337.548
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-STK-LW	Wellnumber:	210
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	1864		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194013		

S224
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190291

District nun:	1	Api number:	03708012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	273.645
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	106
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190291		

S223

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000190290

District nun:	1	Api number:	03708012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	273.645
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190290		

S222

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000190289

District nun:	1	Api number:	03708012
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	273.645
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190289		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

P225
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190228

District nun:	1	Api number:	03707817
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	316.84
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	256
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190228		

R226
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190081

District nun:	1	Api number:	03708055
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	233.169
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	151
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190081		

P227
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000295029

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03729996
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 328
Locationde:	Well 209' southerly along property line and 167' westerly at right angles to said line from the Northwest corner of section prop		
Gissourcec:	sum		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	3368
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-JAN-13
Welldeptha:	6318		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	15-FEB-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000295029		

P228
North
1/2 - 1 Mile

OIL_GAS CAOG11000206243

District nun:	1	Api number:	03708104
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.I.-1-Stocker-B.C. L.W.	Wellnumber:	10
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206243		

P229
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000200749

District nun:	1	Api number:	03700266
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	5
Leasename:	Stocker	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200749		

**Q230
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206046

District nun:	1	Api number:	03707818
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	258
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206046		

**Q231
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190222

District nun:	1	Api number:	03707803
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	211.183
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	242
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190222		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S232
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190293

District nun:	1	Api number:	03708020
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	294.092
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	115
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190293		

T233
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206317

District nun:	1	Api number:	03708220
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318 GL
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206317		

R234
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206295

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708193
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	227
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206295		

**P235
North
1/2 - 1 Mile**

OIL_GAS CAOG11000190357

District nun:	1	Api number:	03708307
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	341.01
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-BC-LAI-LW	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190357		

**U236
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190295

District nun:	1	Api number:	03708024
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	338.056
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	119-A
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190295		

P237
North
1/2 - 1 Mile

OIL_GAS CAOG11000216812

District nun:	1	Api number:	03726690
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	2268
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3414		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000216812		

P238
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000188637

District nun:	1	Api number:	03700212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.648
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-STK-BC-LW	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188637		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U239
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206290

District nun:	1	Api number:	03708185
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	218
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206290		

S240
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190107

District nun:	1	Api number:	03708111
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	315.835
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI Comm. 1	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190107		

S241
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190313

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708203
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	326.601
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190313		

**P242
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000194146

District nun:	1	Api number:	03723232
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	319.782
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-STK-BC-LW	Wellnumber:	412
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000194146		

**V243
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190098

District nun:	1	Api number:	03708103
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	316.35
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	1
Leasename:	L.A.I.-1-Stocker-B.C. L.W.	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190098		

**V244
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190106

District nun:	1	Api number:	03708110
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	317.91
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI Comm. 1	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190106		

**V245
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206267

District nun:	1	Api number:	03708137
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206267		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W246
North
1/2 - 1 Mile

OIL_GAS CAOG11000206367

District nun:	1	Api number:	03708314
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206367		

V247
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190376

District nun:	1	Api number:	03708332
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.563
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190376		

S248
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206068

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707854
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	302
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206068		

**S249
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190292

District nun:	1	Api number:	03708018
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	275.948
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	113
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190292		

**U250
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206244

District nun:	1	Api number:	03708112
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	1
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206244		

**W251
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215464

District nun:	1	Api number:	03725281
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	STK-BC-LW	Wellnumber:	414
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2710		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215464		

**U253
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215484

District nun:	1	Api number:	03725304
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	388
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4632		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215484		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U252
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215483

District nun:	1	Api number:	03725304
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	388
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4632		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215483		

U254
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206208

District nun:	1	Api number:	03708053
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	149
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206208		

W255
North
1/2 - 1 Mile

OIL_GAS CAOG11000216439

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726275
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	STK	Wellnumber:	107
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2817		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000216439		

W256
North
1/2 - 1 Mile

OIL_GAS CAOG11000190358

District nun:	1	Api number:	03708308
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	370.033
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	STK-BC-LW	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190358		

W257
North
1/2 - 1 Mile

OIL_GAS CAOG11000190359

District nun:	1	Api number:	03708308
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	370.033
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	23
Leasename:	STK-BC-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190359		

W258

North

1/2 - 1 Mile

OIL_GAS

CAOG11000216865

District nun:	1	Api number:	03726741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC-STK	Wellnumber:	2168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5491		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216865		

W259

North

1/2 - 1 Mile

OIL_GAS

CAOG11000216866

District nun:	1	Api number:	03726741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC-STK	Wellnumber:	2168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5491		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216866		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

W260
North
1/2 - 1 Mile

OIL_GAS CAOG11000216867

District nun:	1	Api number:	03726741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC-STK	Wellnumber:	2168
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5491		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216867		

T261
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190311

District nun:	1	Api number:	03708196
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	328.405
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	230
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190311		

W263
North
1/2 - 1 Mile

OIL_GAS CAOG11000190383

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708341
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	373.469
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190383		

W262
North
1/2 - 1 Mile

OIL_GAS CAOG11000190382

District nun:	1	Api number:	03708341
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	373.469
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	Stocker	Wellnumber:	106
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190382		

U264
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190086

District nun:	1	Api number:	03708075
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	357.9
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	172
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190086		

**S265
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216785

District nun:	1	Api number:	03726659
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	449
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3277		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216785		

**U266
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190069

District nun:	1	Api number:	03708036
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	332.485
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	131
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190069		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S267
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206256

District nun:	1	Api number:	03708125
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206256		

S268
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194151

District nun:	1	Api number:	03723244
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	285.422
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-BC-LW	Wellnumber:	402
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000194151		

S269
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206286

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708178
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	211
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206286		

**W270
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206368

District nun:	1	Api number:	03708316
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206368		

**U271
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206245

District nun:	1	Api number:	03708113
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2
Leasename:	L.A.Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206245		

**V272
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206273

District nun:	1	Api number:	03708145
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206273		

**T273
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206057

District nun:	1	Api number:	03707835
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	278
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206057		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

V274
North
1/2 - 1 Mile

OIL_GAS CAOG11000211728

District nun:	1	Api number:	03716561
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	B.C.-L.A.I.-Stocker	Wellnumber:	110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000211728		

V275
North
1/2 - 1 Mile

OIL_GAS CAOG11000190169

District nun:	1	Api number:	03707729
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	344.717
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	161
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190169		

X276
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206210

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708056
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	152
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206210		

**X277
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206311

District nun:	1	Api number:	03708213
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206311		

**Y278
North
1/2 - 1 Mile**

OIL_GAS CAOG11000205981

District nun:	1	Api number:	03707672
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	353' GL
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	61
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205981		

**V280
North
1/2 - 1 Mile**

OIL_GAS CAOG11000194150

District nun:	1	Api number:	03723243
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	342.545
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	404
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194150		

**V279
North
1/2 - 1 Mile**

OIL_GAS CAOG11000194149

District nun:	1	Api number:	03723243
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	342.545
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	404
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194149		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U281
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206200

District nun:	1	Api number:	03708032
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	127
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206200		

Z282
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206309

District nun:	1	Api number:	03708210
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206309		

V284
North
1/2 - 1 Mile

OIL_GAS CAOG11000194144

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	345.25
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	403
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194144		

**V283
North
1/2 - 1 Mile**

OIL_GAS CAOG11000194143

District nun:	1	Api number:	03723230
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	345.25
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	403
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194143		

**X285
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206062

District nun:	1	Api number:	03707844
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	291
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206062		

**X286
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206037

District nun:	1	Api number:	03707802
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	241
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206037		

**U287
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190067

District nun:	1	Api number:	03708033
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	345.879
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-BC-LW	Wellnumber:	128
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190067		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Z288
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216810

District nun:	1	Api number:	03726688
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	2068
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5561		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216810		

U289
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206199

District nun:	1	Api number:	03708031
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	126
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206199		

V290
North
1/2 - 1 Mile

OIL_GAS CAOG11000194021

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723004
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	340.36
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	251
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000194021		

**Z291
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216834

District nun:	1	Api number:	03726709
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	2267
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5600		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216834		

**Z292
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216835

District nun:	1	Api number:	03726709
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2267
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	5600		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216835		

**Z293
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216809

District nun:	1	Api number:	03726687
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	2067
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3545		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216809		

**V294
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206023

District nun:	1	Api number:	03707764
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	451
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206023		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

U295
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206216

District nun:	1	Api number:	03708063
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	159
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206216		

Z296
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190294

District nun:	1	Api number:	03708022
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	346.628
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI 1	Wellnumber:	117
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190294		

Y297
North
1/2 - 1 Mile

OIL_GAS CAOG11000190196

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707770
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	332.353
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	551
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190196		

**Y298
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215401

District nun:	1	Api number:	03725206
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	647
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	827		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000215401		

**Y299
North
1/2 - 1 Mile**

OIL_GAS CAOG11000215468

District nun:	1	Api number:	03725285
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	111
Leasename:	BC-LAI-1-STK-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	5900		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215468		

**V300
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190054

District nun:	1	Api number:	03707666
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	335.669
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	51
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190054		

**AA301
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000194105

District nun:	1	Api number:	03723093
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	336.908
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	341
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000194105		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB302

NW

OIL_GAS

CAOG11000190122

1/2 - 1 Mile

District nun:	1	Api number:	03708158
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	334.711
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	190
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190122		

Y303

North

OIL_GAS

CAOG11000190187

1/2 - 1 Mile

District nun:	1	Api number:	03707758
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	334.455
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	351
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190187		

AB304

NNW

OIL_GAS

CAOG11000215454

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725270
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	384
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3620		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215454		

**AB305
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000214113

District nun:	1	Api number:	03720560
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	320
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214113		

**AA306
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216762

District nun:	1	Api number:	03726635
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	802
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	3005		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216762		

**AA307
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216761

District nun:	1	Api number:	03726634
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	801
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3420		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216761		

AC308

North

1/2 - 1 Mile

OIL_GAS

CAOG11000305946

District nun:	1	Api number:	03707701
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	71
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000305946		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA309
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216763

District nun:	1	Api number:	03726636
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	901
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	875		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216763		

AA310
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216764

District nun:	1	Api number:	03726636
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	901
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	875		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216764		

Y311
North
1/2 - 1 Mile

OIL_GAS CAOG11000206007

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707725
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	151
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206007		

**AA312
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000217149

District nun:	1	Api number:	03727086
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	347' KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	BC	Wellnumber:	702
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000217149		

**Z313
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000188633

District nun:	1	Api number:	03700208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	347.134
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406178.ssf	Wellnumber:	18
Leasename:	LAI-BC-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188633		

**Z314
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000188634

District nun:	1	Api number:	03700208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	347.134
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	LAI-BC-LW	Wellnumber:	18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188634		

**Z315
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206192

District nun:	1	Api number:	03708019
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	114
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206192		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

X316
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206180

District nun:	1	Api number:	03708003
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	96
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206180		

AC317
North
1/2 - 1 Mile

OIL_GAS CAOG11000215546

District nun:	1	Api number:	03725371
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-STK-LW	Wellnumber:	283
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2349		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215546		

X318
NW
1/2 - 1 Mile

OIL_GAS CAOG11000209592

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03713516
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	235
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209592		

**AB319
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000190312

District nun:	1	Api number:	03708198
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	341.03
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	232
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190312		

**Z320
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206209

District nun:	1	Api number:	03708054
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	150
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206209		

**Z321
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206274

District nun:	1	Api number:	03708147
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206274		

**Z322
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206272

District nun:	1	Api number:	03708144
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.I.-1-B.C. L.W.	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206272		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AC323
North
1/2 - 1 Mile

OIL_GAS CAOG11000215528

District nun:	1	Api number:	03725354
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-STK-LAI-COM	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2539		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000215528		

AA324
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215453

District nun:	1	Api number:	03725269
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1-LW	Wellnumber:	442
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3051		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215453		

AC325
North
1/2 - 1 Mile

OIL_GAS CAOG11000215527

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725353
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-STK-LCOM-MB	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2560		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215527		

AC326
North
1/2 - 1 Mile

OIL_GAS CAOG11000190189

District nun:	1	Api number:	03707760
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	474.099
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	371
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190189		

AC327
North
1/2 - 1 Mile

OIL_GAS CAOG11000190190

District nun:	1	Api number:	03707760
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	474.099
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406248.ssf	Wellnumber:	371
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190190		

AC328

North
1/2 - 1 Mile

OIL_GAS

CAOG11000190191

District nun:	1	Api number:	03707760
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	474.099
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	371
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190191		

AC329

North
1/2 - 1 Mile

OIL_GAS

CAOG11000215449

District nun:	1	Api number:	03725265
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAICOMM1-STK	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2475		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215449		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA330
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190195

District nun:	1	Api number:	03707766
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	343.839
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	442
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190195		

AC331
North
1/2 - 1 Mile

OIL_GAS CAOG11000215477

District nun:	1	Api number:	03725298
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	653
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2656		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215477		

AB332
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215482

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725303
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	389
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4585		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215482		

AC333
North
1/2 - 1 Mile

OIL_GAS CAOG11000216778

District nun:	1	Api number:	03726648
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	907
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2480		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216778		

AC334
North
1/2 - 1 Mile

OIL_GAS CAOG11000205818

District nun:	1	Api number:	03707424
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	281
Leasename:	BC-STK-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000205818		

AC335

North
1/2 - 1 Mile

OIL_GAS

CAOG11000205998

District nun:	1	Api number:	03707705
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	81
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205998		

AC336

North
1/2 - 1 Mile

OIL_GAS

CAOG11000216777

District nun:	1	Api number:	03726647
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	807
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2535		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216777		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA337
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190053

District nun:	1	Api number:	03707665
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	346.757
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190053		

X338
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206223

District nun:	1	Api number:	03708073
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	169
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206223		

AD339
WNW
1/2 - 1 Mile

OIL_GAS CAOG11000206042

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707812
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	251
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206042		

**AB340
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206247

District nun:	1	Api number:	03708115
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206247		

**AD341
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206299

District nun:	1	Api number:	03708199
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	233
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206299		

AA342

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000215402

District nun:	1	Api number:	03725207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	648
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2529		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000215402		

AD343

WNW

1/2 - 1 Mile

OIL_GAS

CAOG11000206282

District nun:	1	Api number:	03708172
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	205
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206282		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

Y344
North
1/2 - 1 Mile

OIL_GAS CAOG11000194483

District nun:	1	Api number:	03725026
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	400.92
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	640
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2340		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194483		

Z345
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205971

District nun:	1	Api number:	03707658
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	298' GL
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205971		

AE346
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206308

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708209
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	49
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206308		

**AD347
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206048

District nun:	1	Api number:	03707820
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	260
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206048		

**Z348
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216801

District nun:	1	Api number:	03726678
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	2367
Leasename:	BC LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	5447		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216801		

**Y349
North
1/2 - 1 Mile**

OIL_GAS CAOG11000205982

District nun:	1	Api number:	03707673
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	62
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205982		

**X350
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000190314

District nun:	1	Api number:	03708212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	261.236
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190314		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB351
NW
1/2 - 1 Mile

OIL_GAS CAOG11000200732

District nun:	1	Api number:	03700221
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	203-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200732		

Y352
North
1/2 - 1 Mile

OIL_GAS CAOG11000206016

District nun:	1	Api number:	03707744
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	262-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206016		

AC353
North
1/2 - 1 Mile

OIL_GAS CAOG11000215466

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725283
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-STK-LW	Wellnumber:	282
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2920		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215466		

**Z354
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216800

District nun:	1	Api number:	03726677
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	2167
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	5372		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216800		

**AB355
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206219

District nun:	1	Api number:	03708068
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	164
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206219		

**Y356
North
1/2 - 1 Mile**

OIL_GAS

CAOG11000215091

District nun:	1	Api number:	03723229
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	354
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000215091		

**AF357
NW
1/2 - 1 Mile**

OIL_GAS

CAOG11000209590

District nun:	1	Api number:	03713514
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	179
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209590		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA358
North
1/2 - 1 Mile

OIL_GAS CAOG11000194487

District nun:	1	Api number:	03725031
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	373.617
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	644
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2481		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194487		

AG360
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194090

District nun:	1	Api number:	03723072
Blm well:	N	Redrill can:	CL
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.204
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	440
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194090		

AG359
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194089

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723072
Blm well:	N	Redrill can:	CL
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.204
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	440
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194089		

AA361
North
1/2 - 1 Mile

OIL_GAS CAOG11000217214

District nun:	1	Api number:	03727183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:			
Leasename:	BC	Wellnumber:	6784
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000217214		

AA362
North
1/2 - 1 Mile

OIL_GAS CAOG11000217215

District nun:	1	Api number:	03727183
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:		Wellnumber:	6784
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000217215		

AH364

North

1/2 - 1 Mile

OIL_GAS

CAOG11000194485

District nun:	1	Api number:	03725028
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	413.931
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	641
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2375		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194485		

AH363

North

1/2 - 1 Mile

OIL_GAS

CAOG11000194484

District nun:	1	Api number:	03725028
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	413.931
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	641
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2375		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194484		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG365

NNW

OIL_GAS

CAOG11000205817

1/2 - 1 Mile

District nun:	1	Api number:	03707423
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	B.C.-L.A.I.-1 L.W.	Wellnumber:	240
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000205817		

AA366

North

OIL_GAS

CAOG11000194480

1/2 - 1 Mile

District nun:	1	Api number:	03725017
Blm well:	N	Redrill can:	CL
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	377.333
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	639
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2435		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	IOG
Site id:	CAOG11000194480		

AG367

NNW

OIL_GAS

CAOG11000215551

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725376
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	8
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1-LW	Wellnumber:	449
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3534		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215551		

368
East
1/2 - 1 Mile

OIL_GAS CAOG11000205266

District nun:	1	Api number:	03706342
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	View Park Corehole	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205266		

AB369
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190082

District nun:	1	Api number:	03708058
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	336.118
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	154
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190082		

AF370

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000302325

District nun:	1	Api number:	03730270
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	249'KB
Locationde:	244ft SELY along property line 934ft SWLY at right angles to said line from the SouthWest corner of property Baldwin-Cienega		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	UB1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000302325		

AC371

North

1/2 - 1 Mile

OIL_GAS

CAOG11000215288

District nun:	1	Api number:	03725029
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	642
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2629		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215288		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG372
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216981

District nun:	1	Api number:	03726851
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	309' KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	BC	Wellnumber:	331
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	18-NOV-11
Welldeptha:	3117		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	09-MAR-12
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000216981		

AC373
North
1/2 - 1 Mile

OIL_GAS CAOG11000188629

District nun:	1	Api number:	03700202
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	475.626
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	172
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188629		

AB374
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190084

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708066
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	283.388
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	162
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190084		

**AF375
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206285

District nun:	1	Api number:	03708177
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	210
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206285		

**AC376
North
1/2 - 1 Mile**

OIL_GAS CAOG11000194486

District nun:	1	Api number:	03725030
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	478.173
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406248.ssf	Wellnumber:	643
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	2365	Completion:	Not Reported
Redrillfoo:	0	Gissymbol:	AOG
Abandonedd:	Not Reported		
Directiona:	Unknown		
Site id:	CAOG11000194486		

**AG377
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190186

District nun:	1	Api number:	03707755
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	299.644
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	341
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190186		

AA378

North

1/2 - 1 Mile

OIL_GAS

CAOG11000190055

District nun:	1	Api number:	03707667
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	384.589
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190055		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA379
North
1/2 - 1 Mile

OIL_GAS CAOG11000190056

District nun:	1	Api number:	03707667
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	384.589
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	52
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190056		

AB380
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206183

District nun:	1	Api number:	03708008
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	102
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206183		

381
West
1/2 - 1 Mile

OIL_GAS CAOG11000205050

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03705977
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	20
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Los Angeles Investment	Wellnumber:	4-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000205050		

AC382
North
1/2 - 1 Mile

OIL_GAS CAOG11000190151

District nun:	1	Api number:	03707702
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	476.705
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	72
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190151		

AC383
North
1/2 - 1 Mile

OIL_GAS CAOG11000190152

District nun:	1	Api number:	03707702
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	476.705
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406248.ssf	Wellnumber:	72
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190152		

**AF384
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190243

District nun:	1	Api number:	03707847
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	240.734
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	294
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190243		

**AI385
North**

1/2 - 1 Mile

OIL_GAS

CAOG11000193027

District nun:	1	Api number:	03720124
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	382.19
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	352
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000193027		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG386
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190166

District nun:	1	Api number:	03707721
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	370.823
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	141
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190166		

AG387
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215448

District nun:	1	Api number:	03725261
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1	Wellnumber:	441
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3075		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215448		

AF388
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190129

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708165
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	9.1 KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Ground Level +328.51 sea level 32406188.ssf		
Leasename:	LAI 1	Wellnumber:	197
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190129		

**AF389
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000190130

District nun:	1	Api number:	03708165
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	9.1 KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Ground Level +328.51 sea level 32406188.ssf		
Leasename:	LAI 1	Wellnumber:	197
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190130		

**AF390
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000190131

District nun:	1	Api number:	03708165
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	9.1 KB
Locationde:	Not Reported		
Gissourcec:	sum		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Ground Level +328.51 sea level	32406188.ssf	
Leasename:	LAI 1	Wellnumber:	197
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190131		

**AG391
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190158

District nun:	1	Api number:	03707711
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	306.88
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	121
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190158		

**AG392
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190193

District nun:	1	Api number:	03707762
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	371.888
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	441
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190193		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE393
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205834

District nun:	1	Api number:	03707444
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205834		

AI394
North
1/2 - 1 Mile

OIL_GAS CAOG11000215465

District nun:	1	Api number:	03725282
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	651
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2590		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215465		

AE395
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215502

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725326
Blm well:	N	Redrill can:	CL
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	406
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4565		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	IOG
Site id:	CAOG11000215502		

AH396
North
1/2 - 1 Mile

OIL_GAS CAOG11000188623

District nun:	1	Api number:	03700199
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	398.106
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	77
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000188623		

AI397
North
1/2 - 1 Mile

OIL_GAS CAOG11000217212

District nun:	1	Api number:	03727175
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	396 KB
Locationde:	Not Reported		
Gissourcec:	sum		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	KB = 12'	Wellnumber:	6751
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	02-JUN-11
Confidenti:	N		
Welldeptha:	2808		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	19-JUL-11
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217212		

**AE398
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206271

District nun:	1	Api number:	03708143
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	8
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206271		

AH399

North

1/2 - 1 Mile

OIL_GAS

CAOG11000190168

District nun:	1	Api number:	03707726
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	396.759
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	152
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190168		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ400
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190234

District nun:	1	Api number:	03707832
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	329.801
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	274
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190234		

AJ401
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190235

District nun:	1	Api number:	03707832
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	329.801
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	274
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190235		

AE402
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206018

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707748
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	321
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206018		

**AI403
North
1/2 - 1 Mile**

OIL_GAS CAOG11000297935

District nun:	1	Api number:	03730121
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12
Locationde:	WEll 413' NWLY along property line and 725' NLY at right angles to said line from the Northwest property Stocker Fee Lease		
Gissourcec:	sum		
Comments:	Well is directionally drilled show proposed coordinates from surface location and true vertical depth at total depth 321' North a		
Leasename:	BC	Wellnumber:	6654
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	06-OCT-13
Welldeptha:	2362		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	05-NOV-13
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000297935		

**AF404
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206300

District nun:	1	Api number:	03708200
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	234
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206300		

**AF405
NW**

OIL_GAS

CAOG11000191877

1/2 - 1 Mile

District nun:	1	Api number:	03713521
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	241.362
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	280
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000191877		

**AJ406
NW**

OIL_GAS

CAOG11000217226

1/2 - 1 Mile

District nun:	1	Api number:	03727194
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	324 KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	LAI 1	Wellnumber:	5784
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-SEP-11
Welldeptha:	2729		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	20-OCT-11
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217226		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ407
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190123

District nun:	1	Api number:	03708161
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	313.57
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	193
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190123		

AJ408
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190124

District nun:	1	Api number:	03708161
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	313.57
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	193
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190124		

AJ409
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190125

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708161
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	313.57
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	193
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190125		

**AJ410
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206050

District nun:	1	Api number:	03707826
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	268
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206050		

**AI411
North
1/2 - 1 Mile**

OIL_GAS CAOG11000216858

District nun:	1	Api number:	03726735
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	330
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	2950		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216858		

**AK412
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000214901

District nun:	1	Api number:	03722477
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	344
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000214901		

**AG413
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215508

District nun:	1	Api number:	03725332
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1-LW	Wellnumber:	447
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3070		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215508		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG416
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000188628

District nun:	1	Api number:	03700201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	310.614
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	131
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188628		

AG414
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000188626

District nun:	1	Api number:	03700201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	310.614
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	131
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188626		

AG415
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000188627

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	310.614
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406178.ssf		
Leasename:	BC	Wellnumber:	131
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188627		

**AK417
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000214903

District nun:	1	Api number:	03722479
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	FCLI	Wellnumber:	2-1A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214903		

**AG418
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000205972

District nun:	1	Api number:	03707659
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	42
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205972		

AL420
North
1/2 - 1 Mile

OIL_GAS

CAOG11000193032

District nun:	1	Api number:	03720131
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	471.679
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000193032		

AL419
North
1/2 - 1 Mile

OIL_GAS

CAOG11000193031

District nun:	1	Api number:	03720131
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	471.679
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000193031		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM421

NW

OIL_GAS

CAOG11000206303

1/2 - 1 Mile

District nun:	1	Api number:	03708204
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	44
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206303		

AG422

NNW

OIL_GAS

CAOG11000200722

1/2 - 1 Mile

District nun:	1	Api number:	03700204
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Abandoned well NAD83 coordinates provided on History dated 12-19-11		
Leasename:	Baldwin Cienega	Wellnumber:	542
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000200722		

AJ423

NNW

OIL_GAS

CAOG11000206275

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708148
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206275		

**AK424
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000214922

District nun:	1	Api number:	03722519
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	345
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214922		

**AJ425
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000200724

District nun:	1	Api number:	03700207
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	16
Leasename:	L.A.I.-1-B.C. L.W.	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200724		

AI426
North
1/2 - 1 Mile

OIL_GAS

CAOG11000190194

District nun:	1	Api number:	03707765
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	392.03
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	453
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190194		

AI427
North
1/2 - 1 Mile

OIL_GAS

CAOG11000217258

District nun:	1	Api number:	03727234
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	389'
Locationde:	12' KB		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	6761
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000217258		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG428
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194012

District nun:	1	Api number:	03722980
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	325.308
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	242
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194012		

AK429
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206021

District nun:	1	Api number:	03707757
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin Cienega	Wellnumber:	345
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206021		

AL430
North
1/2 - 1 Mile

OIL_GAS CAOG11000215447

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725260
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	649
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2425		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215447		

**AM431
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000188765

District nun:	1	Api number:	03700527
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.463
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	279
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000188765		

**AM432
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000188766

District nun:	1	Api number:	03700527
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.463
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406188.ssf	Wellnumber:	279
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000188766		

AH433

North
1/2 - 1 Mile

OIL_GAS

CAOG11000190137

District nun:	1	Api number:	03707674
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	470.75
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	63
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190137		

AH434

North
1/2 - 1 Mile

OIL_GAS

CAOG11000190138

District nun:	1	Api number:	03707674
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	470.75
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	63
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190138		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM435

NW

OIL_GAS

CAOG11000206224

1/2 - 1 Mile

District nun:	1	Api number:	03708074
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	171
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206224		

436

NNE

OIL_GAS

CAOG11000206369

1/2 - 1 Mile

District nun:	1	Api number:	03708317
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Stocker	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206369		

AM437

NW

OIL_GAS

CAOG11000206280

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708166
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	198
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206280		

**AN438
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000205827

District nun:	1	Api number:	03707435
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	21
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205827		

**AL439
North
1/2 - 1 Mile**

OIL_GAS CAOG11000190170

District nun:	1	Api number:	03707730
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	480.436
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406248.ssf	Wellnumber:	163
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190170		

**AM440
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206038

District nun:	1	Api number:	03707804
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	243
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206038		

**AI441
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000194191

District nun:	1	Api number:	03723390
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	354.539
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	303
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194191		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ442
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215506

District nun:	1	Api number:	03725329
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1-LW	Wellnumber:	443
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2488		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215506		

AI443
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194190

District nun:	1	Api number:	03723389
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	357.927
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	302
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194190		

AI444
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190167

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707722
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	359.295
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	142-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190167		

AI445
North
1/2 - 1 Mile

OIL_GAS CAOG11000200721

District nun:	1	Api number:	03700198
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	53
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000200721		

AN446
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216758

District nun:	1	Api number:	03726632
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	800
Leasename:	BC-LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	3281		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216758		

**AN447
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216759

District nun:	1	Api number:	03726632
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC-LAI 1	Wellnumber:	800
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3281		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216759		

**AN448
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216760

District nun:	1	Api number:	03726633
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	701
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3005		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216760		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM449

NW

OIL_GAS

CAOG11000206181

1/2 - 1 Mile

District nun:	1	Api number:	03708005
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	98
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206181		

AN450

NNW

OIL_GAS

CAOG11000217146

1/2 - 1 Mile

District nun:	1	Api number:	03727081
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	325.93
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Not Reported		
Leasename:	BC-LAI1	Wellnumber:	5671
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	13-DEC-11
Welldeptha:	3167		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	04-JAN-12
Directiona:	Not Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217146		

AO451

NNW

OIL_GAS

CAOG11000215467

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03725284
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	652
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2580		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215467		

**452
WNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206073

District nun:	1	Api number:	03707865
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 2	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000206073		

**AO453
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000205835

District nun:	1	Api number:	03707445
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	32A
Leasename:	Baldwin Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000205835		

**AN455
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000188625

District nun:	1	Api number:	03700200
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	330.776
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	BC	Wellnumber:	111
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188625		

**AN454
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000188624

District nun:	1	Api number:	03700200
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	330.776
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	BC	Wellnumber:	111
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188624		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AO456
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000217196

District nun:	1	Api number:	03727155
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	346 KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	BC	Wellnumber:	285
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	26-JAN-11
Welldeptha:	2408		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	17-FEB-11
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217196		

AO457
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000299955

District nun:	1	Api number:	03730206
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 348
Locationde:	WEll 418' nly along property line and 1107' ely at right angles to said line from the southwest corner of section property line B		
Gissourcec:	noi		
Comments:	Well is to be directionally drilled, show proposed coordinates from surface location and true vertical depth at total depth: 277'		
Leasename:	BC	Wellnumber:	6623
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NWF
Site id:	CAOG11000299955		

AP458
North
1/2 - 1 Mile

OIL_GAS CAOG11000194192

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723391
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	417.929
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	304
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194192		

**AJ459
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206269

District nun:	1	Api number:	03708141
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206269		

**AP460
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206008

District nun:	1	Api number:	03707727
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	153
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206008		

**AO461
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190162

District nun:	1	Api number:	03707716
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	343.155
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	132
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190162		

**AO462
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190185

District nun:	1	Api number:	03707753
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	339.906
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	332
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190185		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AQ463
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215514

District nun:	1	Api number:	03725337
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	405
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3019		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215514		

AP464
North
1/2 - 1 Mile

OIL_GAS CAOG11000211727

District nun:	1	Api number:	03716560
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	253
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000211727		

AQ465
NW
1/2 - 1 Mile

OIL_GAS CAOG11000297834

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03730117
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 330
Locationde:	Well 12' nwly along property line and 158' swly at right angles to said line from the southwest corner of section property Baldwin		
Gissourcec:	sum		
Comments:	Well is to be directionally drilled show proposed coordinates from surface location and true vertical depth: 73' north and 37' west		
Leasename:	LAI 1	Wellnumber:	5762
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-JUL-13
Welldeptha:	2734		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	23-AUG-13
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000297834		

**AP466
North
1/2 - 1 Mile**

OIL_GAS CAOG11000194193

District nun:	1	Api number:	03723392
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	418.854
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	305
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000194193		

**AQ467
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206231

District nun:	1	Api number:	03708084
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	23
Leasename:	L.A. Investment 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206231		

**AO468
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190052

District nun:	1	Api number:	03707660
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	412.428
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190052		

**AQ469
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190226

District nun:	1	Api number:	03707811
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	318.102
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	250
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190226		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AN470
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206010

District nun:	1	Api number:	03707731
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	211
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206010		

AQ471
NW
1/2 - 1 Mile

OIL_GAS CAOG11000191874

District nun:	1	Api number:	03713510
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	317.066
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	175
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000191874		

AQ472
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205820

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707426
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205820		

**AO473
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000206026

District nun:	1	Api number:	03707769
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	543
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206026		

**AO474
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216980

District nun:	1	Api number:	03726849
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	334' KB
Locationde:	Not Reported		
Gissourcec:	sum		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	KB = 12'	Wellnumber:	273
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	07-OCT-11
Confidenti:	N		
Welldeptha:	2684	Completion:	01-NOV-11
Redrillfoo:	0	Gissymbol:	AOG
Abandonedd:	Not Reported		
Directiona:	Directionally drilled		
Site id:	CAOG11000216980		

**AO475
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000194234

District nun:	1	Api number:	03723429
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	337.649
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	630
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000194234		

AP476

North

1/2 - 1 Mile

OIL_GAS

CAOG11000206005

District nun:	1	Api number:	03707723
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	143
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206005		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP477
North
1/2 - 1 Mile

OIL_GAS CAOG11000205983

District nun:	1	Api number:	03707675
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	64
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000205983		

AO478
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194235

District nun:	1	Api number:	03723430
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	373.382
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	631
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194235		

AO479
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206024

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707767
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	443
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206024		

AP480
North
1/2 - 1 Mile

OIL_GAS CAOG11000194237

District nun:	1	Api number:	03723432
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	417.425
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	635
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194237		

AR481
NW
1/2 - 1 Mile

OIL_GAS CAOG11000200727

District nun:	1	Api number:	03700214
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	53
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200727		

**AO482
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206020

District nun:	1	Api number:	03707756
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	343
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206020		

**AO483
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000194238

District nun:	1	Api number:	03723433
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	374.587
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	637
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194238		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS484
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190181

District nun:	1	Api number:	03707749
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	338.582
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	322-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190181		

AS485
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205828

District nun:	1	Api number:	03707436
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	22
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205828		

AT486
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190179

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707745
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	300.26
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	BC	Wellnumber:	311
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190179		

AP487
North
1/2 - 1 Mile

OIL_GAS CAOG11000205977

District nun:	1	Api number:	03707668
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	54
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205977		

AT489
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000215512

District nun:	1	Api number:	03725335
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	446
Leasename:	BC-LAI-1-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	4533		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215512		

**AT488
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215511

District nun:	1	Api number:	03725335
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC-LAI-1-LW	Wellnumber:	446
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4533		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215511		

**AU490
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206302

District nun:	1	Api number:	03708202
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	42
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206302		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AP491
North
1/2 - 1 Mile

OIL_GAS CAOG11000194239

District nun:	1	Api number:	03723435
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	466.529
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	636
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194239		

AO492
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190175

District nun:	1	Api number:	03707736
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	361.611
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	233
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190175		

AO493
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205836

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707446
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin Cienega	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205836		

**AU494
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206185

District nun:	1	Api number:	03708010
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	104
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206185		

**AQ495
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206321

District nun:	1	Api number:	03708227
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	69
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206321		

**AR496
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215489

District nun:	1	Api number:	03725309
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	386
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	4782		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000215489		

AS497

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000215456

District nun:	1	Api number:	03725272
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	650
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2676		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215456		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AV498
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206003

District nun:	1	Api number:	03707717
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	133
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206003		

AS499
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194184

District nun:	1	Api number:	03723381
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	355.251
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	201
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194184		

AW501
North
1/2 - 1 Mile

OIL_GAS CAOG11000188620

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03700194
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	481.082
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	254
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188620		

AW500
North
1/2 - 1 Mile

OIL_GAS CAOG11000188619

District nun:	1	Api number:	03700194
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	16
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	481.082
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	BC	Wellnumber:	254
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000188619		

AS502
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194185

District nun:	1	Api number:	03723382
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	358.368
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406238.ssf	Wellnumber:	202
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194185		

**AV503
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000297933

District nun:	1	Api number:	03730120
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	KB 12
Locationde:	Well 893' NLY along property line and 1131' ELY at right angles to said line from the southwest property Baldwin Cienega lease		
Gissourcec:	noi		
Comments:	Well is directionally drilled show proposed coordinates from surface location and true vertical depth at total depth 170' North a		
Leasename:	BC	Wellnumber:	6642
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	24-JUL-13
Welldeptha:	2384		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	07-AUG-13
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000297933		

AV504

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000217241

District nun:	1	Api number:	03727217
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	440' KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	BC	Wellnumber:	6632
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-DEC-11
Welldeptha:	2580		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	01-MAR-12
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217241		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AX505
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190089

District nun:	1	Api number:	03708089
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	257.698
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190089		

AR506
NW
1/2 - 1 Mile

OIL_GAS CAOG11000209595

District nun:	1	Api number:	03713519
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	238
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000209595		

AV507
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194186

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723383
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	437.198
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	203
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000194186		

AW508
North
1/2 - 1 Mile

OIL_GAS CAOG11000206009

District nun:	1	Api number:	03707728
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	154
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206009		

AV509
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205973

District nun:	1	Api number:	03707661
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	44
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205973		

**AV510
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206019

District nun:	1	Api number:	03707754
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	333
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206019		

AV511

North

1/2 - 1 Mile

OIL_GAS

CAOG11000194236

District nun:	1	Api number:	03723431
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	450.205
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	632
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000194236		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AS512
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206022

District nun:	1	Api number:	03707763
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	422
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206022		

AR513
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206214

District nun:	1	Api number:	03708061
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	157
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206214		

AR514
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206297

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708195
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	229
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206297		

**AR515
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206207

District nun:	1	Api number:	03708052
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	148-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206207		

**AW516
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206013

District nun:	1	Api number:	03707741
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	244
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206013		

AT517

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000205821

District nun:	1	Api number:	03707427
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	12
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205821		

AX518

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000189648

District nun:	1	Api number:	03706400
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	252.621
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	288
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189648		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AU519
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206212

District nun:	1	Api number:	03708059
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	155
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206212		

AT520
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190180

District nun:	1	Api number:	03707746
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	300.724
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	312
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000190180		

AV521
North
1/2 - 1 Mile

OIL_GAS CAOG11000190188

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707759
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	450.774
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	353
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190188		

**AX522
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190110

District nun:	1	Api number:	03708138
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	285.537
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI-BC-LW	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190110		

**AV523
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190176

District nun:	1	Api number:	03707737
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	445.92
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406238.ssf	Wellnumber:	234
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190176		

AV525

North

1/2 - 1 Mile

OIL_GAS

CAOG11000190154

District nun:	1	Api number:	03707703
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	443.585
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190154		

AV524

North

1/2 - 1 Mile

OIL_GAS

CAOG11000190153

District nun:	1	Api number:	03707703
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	443.585
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190153		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AX526
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216796

District nun:	1	Api number:	03726673
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1 BC	Wellnumber:	448
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3200		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216796		

AS527
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190159

District nun:	1	Api number:	03707712
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	337.494
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	123
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190159		

AS528
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000216856

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726734
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	260
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2910		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000216856		

**AS529
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000216857

District nun:	1	Api number:	03726734
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	260
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2910		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000216857		

**AS530
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000205829

District nun:	1	Api number:	03707437
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	23
Leasename:	Baldwin-Cienega	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205829		

AV531

North

1/2 - 1 Mile

OIL_GAS

CAOG11000190155

District nun:	1	Api number:	03707704
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	441.365
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	76
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190155		

AX532

NNW

1/2 - 1 Mile

OIL_GAS

CAOG11000216795

District nun:	1	Api number:	03726672
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	447
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3000		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000216795		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AV533
North
1/2 - 1 Mile

OIL_GAS CAOG11000194187

District nun:	1	Api number:	03723384
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	446.785
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	204
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194187		

AX535
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216552

District nun:	1	Api number:	03726406
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	413
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3170		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216552		

AX534
NW
1/2 - 1 Mile

OIL_GAS CAOG11000216551

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03726406
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	413
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3170		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216551		

**AX536
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000215513

District nun:	1	Api number:	03725336
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI-BC-LW	Wellnumber:	407
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3203		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000215513		

**AU537
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206316

District nun:	1	Api number:	03708219
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	61
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206316		

**AY538
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190182

District nun:	1	Api number:	03707750
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	319.145
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	323
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190182		

AW539

North

1/2 - 1 Mile

OIL_GAS

CAOG11000205978

District nun:	1	Api number:	03707669
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	488' DF
Locationde:	482.75' GL		
Gissourcec:	opr		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	55
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205978		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AX541
NW
1/2 - 1 Mile

OIL_GAS CAOG11000188640

District nun:	1	Api number:	03700219
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	260.567
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	187
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000188640		

AX540
NW
1/2 - 1 Mile

OIL_GAS CAOG11000188639

District nun:	1	Api number:	03700219
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	260.567
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	187
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000188639		

AX542
NW
1/2 - 1 Mile

OIL_GAS CAOG11000217208

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727171
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	255 GL
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	12 KB		
Leasename:	LAI 1	Wellnumber:	459
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	20-MAR-11
Welldeptha:	3023		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	22-APR-11
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000217208		

**AX543
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000217207

District nun:	1	Api number:	03727170
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	267.15 K
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	5663
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	12-MAR-11
Welldeptha:	3696		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	22-APR-11
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000217207		

**AZ544
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206006

District nun:	1	Api number:	03707724
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	144
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206006		

**AY545
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190192

District nun:	1	Api number:	03707761
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	322.036
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	423
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190192		

**AX547
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000215562

District nun:	1	Api number:	03725396
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	395
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2848		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215562		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AX546
NW
1/2 - 1 Mile

OIL_GAS CAOG11000215561

District nun:	1	Api number:	03725396
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	395
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2848		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000215561		

AX548
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190093

District nun:	1	Api number:	03708093
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	278.023
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	33
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190093		

AV549
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190012

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707447
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	383.59
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	34
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190012		

**BA550
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000190318

District nun:	1	Api number:	03708226
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	296.408
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	LAI 1	Wellnumber:	68
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190318		

**BA551
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206066

District nun:	1	Api number:	03707852
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	300-B
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206066		

**AX552
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190071

District nun:	1	Api number:	03708038
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	256.057
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406188.ssf		
Leasename:	LAI 1	Wellnumber:	133-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190071		

**AX553
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000304450

District nun:	1	Api number:	03730405
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	267KB
Locationde:	441 ft NLY along property line and 393 ft WLY at right angles to said line from the Southwest corner of property Baldwin-Cien		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	5664
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000304450		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY554
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194220

District nun:	1	Api number:	03725069
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	322.07
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	645
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	2638		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194220		

BB555
NW
1/2 - 1 Mile

OIL_GAS CAOG11000206307

District nun:	1	Api number:	03708208
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	48
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206307		

BA556
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190229

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707821
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	296.952
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	LAI 1	Wellnumber:	261
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190229		

**AX557
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190090

District nun:	1	Api number:	03708090
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	274.079
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	LAI 1	Wellnumber:	30-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190090		

**AZ558
North
1/2 - 1 Mile**

OIL_GAS CAOG11000206015

District nun:	1	Api number:	03707743
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	255
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206015		

**AY559
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206025

District nun:	1	Api number:	03707768
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	523
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206025		

BA560

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000190126

District nun:	1	Api number:	03708162
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	349.409
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406288.ssf		
Leasename:	LAI 1	Wellnumber:	194
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190126		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BA561
NW
1/2 - 1 Mile

OIL_GAS CAOG11000191876

District nun:	1	Api number:	03713513
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	299.411
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	LAI 1	Wellnumber:	178
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000191876		

BA562
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190238

District nun:	1	Api number:	03707836
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	296.11
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406248.ssf		
Leasename:	LAI 1	Wellnumber:	281
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190238		

AY563
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194232

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03723426
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	350.664
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	620
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000194232		

**AX564
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216616

District nun:	1	Api number:	03726481
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	415
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	3980		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216616		

**AX565
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000216617

District nun:	1	Api number:	03726481
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	415
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	3980		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000216617		

**AY568
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000194084

District nun:	1	Api number:	03723058
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.412
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194084		

**AY567
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000194083

District nun:	1	Api number:	03723058
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.412
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194083		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY566
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194082

District nun:	1	Api number:	03723058
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	301.412
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC-LAI-LW	Wellnumber:	17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000194082		

BC569
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000194233

District nun:	1	Api number:	03723427
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	414.103
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	621
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000194233		

BC570
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000217228

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03727196
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	409' KB
Locationde:	Not Reported		
Gissourcec:	sum		
Comments:	KB = 12'		
Leasename:	BC	Wellnumber:	6641
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-SEP-11
Welldeptha:	2376		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	20-OCT-11
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000217228		

AZ571
North
1/2 - 1 Mile

OIL_GAS CAOG11000205974

District nun:	1	Api number:	03707662
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	45
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205974		

BA572
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190085

District nun:	1	Api number:	03708071
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	346.466
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406288.ssf	Wellnumber:	167
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190085		

**BA573
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000188643

District nun:	1	Api number:	03700227
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	342.612
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406288.ssf		
Leasename:	LAI 1	Wellnumber:	289
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000188643		

**BD574
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206270

District nun:	1	Api number:	03708142
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.I.-1-B.C. L.W.	Wellnumber:	7
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206270		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD575
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000300914

District nun:	1	Api number:	03730231
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	298
Locationde:	Location of well 769ft NLY along property line and 176 WLY at right angles to said line from the Southwest corner of property		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	5662
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	17-APR-14
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000300914		

AY576
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205822

District nun:	1	Api number:	03707428
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	13
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205822		

AZ577
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190163

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707718
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	414.533
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	134
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190163		

BD578
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206289

District nun:	1	Api number:	03708184
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	217
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206289		

AY579
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190171

District nun:	1	Api number:	03707732
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	308.431
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406238.ssf	Wellnumber:	212
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190171		

**AY580
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190172

District nun:	1	Api number:	03707732
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	308.431
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	212
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190172		

BB581

NW

1/2 - 1 Mile

OIL_GAS

CAOG11000206211

District nun:	1	Api number:	03708057
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	153
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206211		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AY582
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000205830

District nun:	1	Api number:	03707438
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	24
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205830		

BB583
NW
1/2 - 1 Mile

OIL_GAS CAOG11000200736

District nun:	1	Api number:	03700228
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	295
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000200736		

BB584
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190223

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707805
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	370.42
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406288.ssf		
Leasename:	LAI 1	Wellnumber:	244
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190223		

AZ585
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190177

District nun:	1	Api number:	03707738
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	410.858
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	235
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190177		

AY586
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206277

District nun:	1	Api number:	03708150
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	Not Reported	Wellnumber:	313
Leasename:	BC-LAI-LW	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206277		

**BA587
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206236

District nun:	1	Api number:	03708092
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	32
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206236		

**BC588
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000190183

District nun:	1	Api number:	03707751
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	355.322
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	324
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190183		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BC589

NNW

OIL_GAS

CAOG11000303896

1/2 - 1 Mile

District nun:	1	Api number:	03730325
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	N
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	365KB
Locationde:	1367 ft NLY along propey line and 820 ft ELY at right angles to said line from the SouthWest corner of property Baldwin Cier		
Gissourcec:	noi		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	6621
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	NOG
Site id:	CAOG11000303896		

AZ590

North

OIL_GAS

CAOG11000206014

1/2 - 1 Mile

District nun:	1	Api number:	03707742
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	245
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206014		

BE591

NW

OIL_GAS

CAOG11000206204

1/2 - 1 Mile

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708045
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	141
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206204		

BF592
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190225

District nun:	1	Api number:	03707810
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	375.848
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406288.ssf		
Leasename:	LAI 1	Wellnumber:	249
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190225		

BA593
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190239

District nun:	1	Api number:	03707837
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	296.211
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406248.ssf	Wellnumber:	282
Leasename:	LAI 1	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190239		

**BC594
NNW**

1/2 - 1 Mile

OIL_GAS

CAOG11000216979

District nun:	1	Api number:	03726848
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	352 GL
Locationde:	12 KB		
Gissourcec:	sum		
Comments:	Not Reported		
Leasename:	BC	Wellnumber:	220
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	12-JUN-11
Welldeptha:	2570		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	19-JUL-11
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000216979		

**BE595
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206301

District nun:	1	Api number:	03708201
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	41
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206301		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

BD596
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190075

District nun:	1	Api number:	03708044
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	281.977
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	LAI 1	Wellnumber:	140
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190075		

BD597
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190076

District nun:	1	Api number:	03708044
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	281.977
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	LAI 1	Wellnumber:	140
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000190076		

BF598
NW
1/2 - 1 Mile

OIL_GAS CAOG11000190224

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03707809
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	375.347
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406288.ssf		
Leasename:	LAI 1	Wellnumber:	248
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190224		

**BA599
NW
1/2 - 1 Mile**

OIL_GAS CAOG11000206315

District nun:	1	Api number:	03708218
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.Investment 1	Wellnumber:	60
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206315		

**BC600
NNW
1/2 - 1 Mile**

OIL_GAS CAOG11000190013

District nun:	1	Api number:	03707448
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	396.14
Locationde:	Not Reported		
Gissourcec:	gps		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments:	32406238.ssf	Wellnumber:	35
Leasename:	BC	Hydraulica:	N
Epawell:	N	Spuddate:	Not Reported
Confidenti:	N		
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000190013		

**BA601
NW**

1/2 - 1 Mile

OIL_GAS

CAOG11000206043

District nun:	1	Api number:	03707813
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	LAI 1	Wellnumber:	252
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000206043		

**602
North**

1/2 - 1 Mile

OIL_GAS

CAOG11000205979

District nun:	1	Api number:	03707670
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Baldwin-Cienega	Wellnumber:	56
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000205979		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

603
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190173

District nun:	1	Api number:	03707733
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	325.196
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	BC	Wellnumber:	214
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000190173		

BD604
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000206276

District nun:	1	Api number:	03708149
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Chevron U.S.A. Inc.		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	L.A.I.-1-B.C. L.W.	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000206276		

BD605
NNW
1/2 - 1 Mile

OIL_GAS CAOG11000190094

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District nun:	1	Api number:	03708095
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Freeport-McMoRan Oil & Gas LLC		
County name:	Los Angeles	Fieldname:	Inglewood
Area name:	Any Area	Section:	17
Township:	02S	Range:	14W
Base meridian:	SB	Elevation:	309.63
Locationde:	Not Reported		
Gissourcec:	gps		
Comments:	32406238.ssf		
Leasename:	LAI 1	Wellnumber:	35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000190094		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90056	6	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E

Air Quality Calculations

Ladera Park Stormwater Capture Project

Project and Emissions Estimate Assumptions

General Assumptions

- 1) Work occurs 5 days a week one 8-hour daytime shift per day

Onroad Equipment Emission Calculations Assumptions

- 1) CARB EMFAC2014 model emission factors for South Coast Air Basin in 2019 are used to estimate on-road emissions. Passenger vehicle emissions are an all fuels composite of LDA, LDT1, LDT2, LHDT1, LHDT2, and MCY vehicles, all delivery and heavy duty trucks are assumed to be diesel-fueled (MHDT and HDDT, respectively). Emissions factors (lb/mile) for each of the three vehicle types based on the total emissions divided by the total miles traveled.
- 2) Trip estimates for raw material import/export trips derived from materials/waste quality data provided by County, and worker trips provided by County. Some additional trips are assumed for inspectors/management staff and sanitary and fuel delivery.
- 3) Trip distance assumptions based on rounding SCAG RTP commute and engineering assumptions.
- 4) Project requires no unpaved road travel.

Offroad Equipment Emission Calculation Assumptions

- 1) CARB OFFROAD model emission factors for South Coast Air Basin area in 2019 are used to estimate NO_x, ROG (VOC), and PM emissions for off-road equipment. SO_x determined using sulfur content mass balance based on OFFROAD fuel use estimates.
- 2) SCAQMD CEQA website emission factors, hp interpolated, are used for CO for all offroad equipment (2019 EFs).
- 3) The worst case daily equipment use was estimated by the County with assumptions on which equipment items do not work concurrently for each of the different tasks/equipment spreads.

Fugitive Dust Emission Calculations Assumptions

- 1) Soil handling emission factors, for trenching excavation and boring operations are calculated using the recent version of USEPA AP-42 Section 13.2.4.
- 2) Paved road emission factors are calculated using the most current version of USEPA AP-42 Section 13.2.1 and use the following assumptions:
 - A) Silt loading is 0.06 g/m² for 5,000<ADT<10,000 of Table 13.2.1-2; B) average vehicle weight is calculated on VMT average basis.
- 3) Winblown emissions are negligible, daily excavation and soil import quantities are trucked off/used each day, no storage piles are left onsite.

Ladera Park Stormwater Capture Project

Emissions Summary

Criteria Pollutant Emissions Summary

Unmitigated Emissions

Daily Emissions - Worst Case Unmitigated Day (Tasks 5 and 6)

Emissions Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Onroad	0.64	1.79	10.75	0.03	0.06	0.05
Offroad	10.48	41.70	28.48	0.06	1.40	1.29
Fugitive Dust	--	--	--	--	5.87	1.37
Total	11.13	43.49	39.23	0.09	7.33	2.72

Total Project Emissions - Tons

Emissions Source	VOC (tons)	CO (tons)	NOX (tons)	SOX (tons)	PM10 (tons)	PM2.5 (tons)
Onroad	0.02	0.13	0.21	0.00	0.00	0.00
Offroad	0.23	0.95	0.85	0.00	0.05	0.04
Fugitive Dust	--	--	--	--	0.10	0.02
Total	0.25	1.09	1.06	0.00	0.15	0.07

GHG Emissions Summary

Emissions Source	Unmitigated
Onroad	93
Offroad	115
Indirect Water Use	2
Total	209
30-Year Amortized	7.0

Tons

Ladera Park Stormwater Capture Project

On-Road Trip Assumptions

Maximum Daily Trips

Vehicle	Vehicle Type	Trips/Day	Trip Length	VMT Daily
Worker	Passenger	20	30	600
Pickups/Inspectors	Passenger	4	30	120
Fuel/Sanitary	Delivery	2	20	40
Excavation Waste	HDDT	10	40	400
Backfill/other Imports	HDDT	8	40	320
RCP Import	HDDT	4	40	160
Water Truck	HDDT	1	10	10

Total Trips

Mobilization and Staging

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	5	25	750
Equip Haul	HDDT	30	n/a	10	300

Clear and Grub

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	5	50	1500
Waste	HDDT	40	n/a	5	200

Diversion Structure/Manhole/Pipe (Slauson Ave) & Manholes, Plug Valve and Pretreatment (Ladera Park Ave)

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	40	600	18000
Specialty Import	Delivery	40	n/a	4	160
Excavation Waste	HDDT	40	n/a	67	2680
Backfill/other Imports	HDDT	40	n/a	35	1400

Drywells and Connector Pipe (Slauson Ave)

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	15	225	6750
Excavation Waste	HDDT	40	n/a	66	2640
Backfill/other Imports	HDDT	40	n/a	50	2000
RCP Import	HDDT	40	n/a	8	320

Splitters and Drywell/Connector Pipes (Ladera Park Ave)

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	5	50	1500
Excavation Waste	HDDT	40	n/a	30	1200
Backfill/other Imports	HDDT	40	n/a	16	640
RCP Import	HDDT	40	n/a	6	240

Ladera Park Stormwater Capture Project

On-Road Trip Assumptions

Drywells and Connector Pipes (in Ladera Park)

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	40	600	18000
Excavation Waste	HDDT	40	n/a	190	7600
Backfill/other Imports	HDDT	40	n/a	156	6240
RCP Import	HDDT	40	n/a	44	1760

Water Harvesting System and Monitoring Equipment

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	4	40	1200
Specialty Import	Delivery	40	n/a	1	40
Excavation Waste	HDDT	40	n/a	11	440
Backfill/other Imports	HDDT	40	n/a	6	240

Irrigation

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	3	15	450
Crew Truck	Delivery	40	n/a	2	80

Landscaping and Above ground improvements

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	5	50	1500
Specialty Import	Delivery	40	n/a	5	200

PCC - Walking Trails, Side Walks, Curb and Gutter

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	15	120	3600
Concrete/CMB import	HDDT	40	n/a	10	400

AC Paving - Slauson Ave and Ladera Park Ave

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	1	10	300
AC/CMB	HDDT	20	1	7	140

Demobilization

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Worker	Passenger	30	5	25	750
Equip Haul	HDDT	30	n/a	10	300

Daily Support Trips

Vehicle	Vehicle Type	Trip Length	Days	Total Trips	VMT Total
Inspectors	Passenger	30	120	240	7200
Pickup	Passenger	30	120	240	7200
Fuel/Sanitary	Delivery	20	120	240	4800
Water Truck	HDDT	10	120	120	1200

Ladera Park Stormwater Capture Project

On-Road Emissions

Unmitigated Emissions Factors lbs/mile (EMFAC2014 2019 Fleet Average - South Coast Air Basin)

Vehicle	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	0.0004	0.0029	0.0004	7.60E-06	6.37E-06	5.90E-06
Delivery	0.0003	0.0011	0.0068	2.44E-05	1.77E-04	1.69E-04
HDDT	0.0004	0.0020	0.0118	3.57E-05	5.44E-05	5.21E-05

Worst Case Daily Emissions

		Emissions (lbs/day)					
Vehicle	Daily VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	720	0.31	2.11	0.25	0.01	0.00	0.00
Delivery	40	0.01	0.04	0.27	0.00	0.01	0.01
HDDT	890	0.33	1.75	10.48	0.03	0.05	0.05
Totals		0.64	1.79	10.75	0.03	0.06	0.05

Total Project Emissions

Mobilization and Staging

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	750	0.32	2.20	0.26	0.01	0.00	0.00
HDDT	300	0.11	0.59	3.53	0.01	0.02	0.02
Totals		0.43	2.79	3.80	0.02	0.02	0.02

Clear and Grub

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	1500	0.64	4.41	0.53	0.01	0.01	0.01
HDDT	200	0.07	0.39	2.35	0.01	0.01	0.01
Totals		0.71	4.80	2.88	0.02	0.02	0.02

Ladera Park Stormwater Capture Project

On-Road Emissions

Diversion Structure/Manhole/Pipe (Slauson Ave) & Manholes, Plug Valve and Pretreatment (Ladera Park Ave)

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	18000	7.63	52.87	6.35	0.14	0.11	0.11
Delivery	160	0.05	0.17	1.10	0.00	0.03	0.03
HDDT	4080	1.49	8.02	48.02	0.15	0.22	0.21
Totals		9.17	61.07	55.47	0.29	0.37	0.35

Drywells and Connector Pipe (Slauson Ave)

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	6750	2.86	19.83	2.38	0.05	0.04	0.04
HDDT	4960	1.81	9.75	58.38	0.18	0.27	0.26
Totals		4.67	29.58	60.76	0.23	0.31	0.30

Splitters and Drywell/Connector Pipes (Ladera Park Ave)

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	1500	0.64	4.41	0.53	0.01	0.01	0.01
HDDT	2080	0.76	4.09	24.48	0.07	0.11	0.11
Totals		1.40	8.50	25.01	0.09	0.12	0.12

Drywells and Connector Pipes (in Ladera Park)

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	18000	7.63	52.87	6.35	0.14	0.11	0.11
HDDT	15600	5.70	30.67	183.62	0.56	0.85	0.81
Totals		13.33	83.55	189.97	0.69	0.96	0.92

Water Harvesting System and Monitoring Equipment

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	1200	0.51	3.52	0.42	0.01	0.01	0.01
Delivery	40	0.01	0.04	0.27	0.00	0.01	0.01
HDDT	680	0.25	1.34	8.00	0.02	0.04	0.04
Totals		0.77	4.90	8.70	0.03	0.05	0.05

Irrigation

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	450	0.19	1.32	0.16	0.00	0.00	0.00
Delivery	80	0.02	0.09	0.55	0.00	0.01	0.01
Totals		0.22	1.41	0.71	0.01	0.02	0.02

Ladera Park Stormwater Capture Project

On-Road Emissions

Landscaping and Above ground improvements

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	1500	0.64	4.41	0.53	0.01	0.01	0.01
Delivery	200	0.06	0.21	1.37	0.00	0.04	0.03
Totals		0.70	4.62	1.90	0.02	0.04	0.04

PCC - Walking Trails, Side Walks, Curb and Gutter

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	3600	1.53	10.57	1.27	0.03	0.02	0.02
HDDT	400	0.15	0.79	4.71	0.01	0.02	0.02
Totals		1.67	11.36	5.98	0.04	0.04	0.04

AC Paving - Slauson Ave and Ladera Park Ave

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	300	0.13	0.88	0.11	0.00	0.00	0.00
HDDT	140	0.05	0.28	1.65	0.00	0.01	0.01
Totals		0.18	1.16	1.75	0.01	0.01	0.01

Demobilization

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	750	0.32	2.20	0.26	0.01	0.00	0.00
HDDT	300	0.11	0.59	3.53	0.01	0.02	0.02
Totals		0.43	2.79	3.80	0.02	0.02	0.02

Daily Support Trips

		Total Emissions (lbs)					
Vehicle	Total VMT	VOC	CO	NOx	SOx	PM10	PM2.5
Passenger	14400	6.10	42.30	5.08	0.11	0.09	0.08
Delivery	4800	1.47	5.13	32.86	0.12	0.85	0.81
HDDT	1200	0.44	2.36	14.12	0.04	0.07	0.06
Totals		8.02	49.79	52.07	0.27	1.01	0.96

Emissions totals tons					
VOC	CO	NOx	SOx	PM10	PM2.5
0.02	0.13	0.21	0.00	0.00	0.00

Ladera Park Stormwater Capture Project

Off-Road Emissions

Assumptions:

1) Emissions factors are based on OFFROAD Model fleet average equipment for the South Coast Air Basin in 2019.

Unmitigated Emissions Factors		Emissions Factor lbs/hour					
Equipment	HP	VOC	CO	NOx	SOx	PM10	
Backhoe JD 710	115	0.0315	0.2191	0.3720	0.0005	0.0259	
Boom Lift	80	0.0052	0.1029	0.1068	0.0003	0.0025	
Chainsaw	2	0.2046	0.7005	0.0085	1.59E-05	0.0011	(Gasoline Engine)
Wood Chipper	15	1.5344	5.2540	0.0635	0.0001	0.0083	(Gasoline Engine)
Sawcutter	15	1.5344	5.2540	0.0635	0.0001	0.0083	(Gasoline Engine)
Excavator - CAT M317F	150	0.0295	0.4184	0.3688	0.0007	0.0181	
Vibratory Plate Compactor	10	1.0229	3.5026	0.0423	0.0001	0.0055	(Gasoline Engine)
Air Compressor	50	0.0446	0.1393	0.2406	0.0002	0.0204	
Generator	100	0.0464	0.2604	0.5050	0.0005	0.0386	
Roller	100	0.0333	0.2175	0.3864	0.0004	0.0265	
Boom Truck Crane	330	0.0713	0.1747	1.0583	0.0011	0.0441	
Truck Bucket Auger	455	0.0678	0.3361	1.0155	0.0026	0.0335	

Worst Case Daily Emissions

	Number	Hr/Day	Emissions lbs/day					
			VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	1	8	0.25	1.75	2.98	0.00	0.21	0.19
Excavator - CAT M317F	1	8	0.24	3.35	2.95	0.01	0.15	0.13
Truck Bucket Auger	2	8	1.08	5.38	16.25	0.04	0.54	0.49
Air Compressor	1	8	0.36	1.11	1.92	0.00	0.16	0.15
Generator	1	8	0.37	2.08	4.04	0.00	0.31	0.28
Vibratory Plate Compactor	1	8	8.18	28.02	0.34	0.00	0.04	0.04
Totals			10.48	41.70	28.48	0.06	1.40	1.29

Total Project Emissions

Clear and Grub

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	1	8	4	1.01	7.01	11.90	0.02	0.83	0.76
Boom Lift	1	4	1	0.02	0.41	0.43	0.00	0.01	0.01
Chainsaw	1	6	1	1.23	4.20	0.05	0.00	0.01	0.01
Wood Chipper	1	6	1	9.21	31.52	0.38	0.00	0.05	0.04
Totals				11.46	43.15	12.76	0.02	0.89	0.81

Ladera Park Stormwater Capture Project

Off-Road Emissions

Diversion Structure/Manhole/Pipe (Slauson Ave) & Manholes, Plug Valve and Pretreatment (Ladera Park Ave)

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Sawcutter	1	2	1	3.07	0.43	0.77	0.00	0.05	0.05
Backhoe JD 710	1	8	30	7.56	41.94	253.99	0.26	10.59	9.74
Excavator - CAT M317F	1	6	30	5.31	60.49	182.80	0.47	6.04	5.56
Vibratory Plate Compactor	2	6	10	122.75	420.32	5.08	0.01	0.66	0.50
Air Compressor	1	4	20	3.57	11.14	19.25	0.02	1.63	1.50
Generator	1	8	20	7.42	41.66	80.79	0.08	6.17	5.68
Roller	1	6	1	0.20	1.30	2.32	0.00	0.16	0.15
Totals				149.88	577.28	545.00	0.84	25.31	23.18

Drywells and Connector Pipe (Slauson Ave)

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Sawcutter	1	2	2	6.14	21.02	0.25	0.00	0.03	0.03
Backhoe JD 710	1	8	15	3.78	26.30	44.64	0.06	3.10	2.86
Boom Truck Crane	1	8	5	2.85	6.99	42.33	0.04	1.76	1.62
Truck Bucket Auger	1	8	5	2.71	13.44	40.62	0.10	1.34	1.23
Excavator - CAT M317F	1	6	15	2.66	37.66	33.19	0.06	1.63	1.50
Air Compressor	1	4	15	2.67	8.36	14.44	0.01	1.23	1.13
Generator	1	8	15	5.57	31.24	60.60	0.06	4.63	4.26
Vibratory Plate Compactor	1	6	5	30.69	105.08	1.27	0.00	0.17	0.13
Roller	1	4	1	0.13	0.87	1.55	0.00	0.11	0.10
Totals				57.20	250.95	238.89	0.34	14.00	12.86

Splitters and Drywell/Connector Pipes (Ladera Park Ave)

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Sawcutter	1	2	1	3.07	10.51	0.13	0.00	0.02	0.02
Backhoe JD 710	1	8	5	1.26	8.77	14.88	0.02	1.03	0.95
Excavator - CAT M317F	1	6	5	0.89	12.55	11.06	0.02	0.54	0.50
Boom Truck Crane	1	8	3	1.71	4.19	25.40	0.03	1.06	0.97
Truck Bucket Auger	1	8	3	1.63	8.07	24.37	0.06	0.81	0.74
Air Compressor	1	4	3	0.53	1.67	2.89	0.00	0.25	0.23
Generator	1	8	3	1.11	6.25	12.12	0.01	0.93	0.85
Vibratory Plate Compactor	1	6	2	12.28	42.03	0.51	0.00	0.07	0.05
Roller	1	4	1	0.13	0.87	1.55	0.00	0.11	0.10
Totals				22.61	94.91	92.90	0.14	4.80	4.41

Drywells and Connector Pipes (in Ladera Park)

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	2	8	30	15.12	105.19	178.55	0.23	12.42	11.42
Excavator - CAT M317F	2	8	20	9.45	133.90	118.02	0.21	5.81	5.34
Boom Truck Crane	2	8	10	11.41	27.96	169.33	0.17	7.06	6.49
Truck Bucket Auger	2	8	10	10.85	53.77	162.49	0.42	5.37	4.94
Air Compressor	1	4	20	3.57	11.14	19.25	0.02	1.63	1.50
Generator	1	8	20	7.42	41.66	80.79	0.08	6.17	5.68
Vibratory Plate Compactor	2	4	15	122.75	420.32	5.08	0.01	0.66	0.50
Totals				180.57	793.93	733.51	1.14	39.12	35.88

Ladera Park Stormwater Capture Project

Off-Road Emissions

Water Harvesting System and Monitoring Equipment

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	1	6	5	0.95	6.57	11.16	0.01	0.78	0.71
Excavator - CAT M317F	1	6	5	0.89	12.55	11.06	0.02	0.54	0.50
Air Compressor	1	8	2	0.71	2.23	3.85	0.00	0.33	0.30
Generator	1	8	2	0.74	4.17	8.08	0.01	0.62	0.57
Vibratory Plate Compactor	1	4	5	20.46	70.05	0.85	0.00	0.11	0.08
Totals				23.74	95.57	35.00	0.05	2.37	2.17

Irrigation

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	1	8	3	0.76	5.26	8.93	0.01	0.62	0.57

Landscaping and Above ground improvements

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Backhoe JD 710	1	4	2	0.25	1.75	2.98	0.00	0.21	0.19
Boom Lift	1	8	5	0.21	4.12	4.27	0.01	0.10	0.09
Totals				0.46	5.87	7.25	0.02	0.31	0.28

PCC - Walking Trails, Side Walks, Curb and Gutter

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Generator	1	4	15	2.78	15.62	30.30	0.03	2.32	2.13

AC Paving - Slauson Ave and Ladera Park Ave

	Number	Hr/Day	Days	Emissions total lbs					
				VOC	CO	NOx	SOx	PM10	PM2.5
Sawcutter	1	4	1	6.14	21.02	0.25	0.00	0.03	0.03
Backhoe JD 710	1	6	1	0.19	1.31	2.23	0.00	0.16	0.14
Roller	1	4	1	0.13	0.87	1.55	0.00	0.11	0.10
Totals				6.46	23.20	4.03	0.01	0.29	0.27

Emissions totals tons					
VOC	CO	NOx	SOx	PM10	PM2.5
0.23	0.95	0.85	0.00	0.05	0.04

Ladera Park Stormwater Capture Project

Fugitive Dust Emissions

Assumptions:

1. Fugitive dust emissions are estimated using AP-42.
2. Equipment usage, amount of material handling, and VMT assumptions are presented under "Schedule & Equipment" and "Onroad Vehicles Emission Calculations" above.
3. Rule 403 compliance is assumed, so "unmitigated" emissions factors include watering/moist soil, and track out control.

Emission Categories

- 1) Earthmoving
- 2) Paved Road Dust

1) Earthmoving

Material Excavation/Loading/Handling (AP-42, p. 13.2.4.3)

$$E = (k)(0.0032)[(U/5)^{1.3}]/[(M/2)^{1.4}]$$

E = lb/ton

k = Particle Size Constant (0.35 for PM10 and 0.053 for PM2.5)

U = average wind speed = 15 MPH worst-case/average

M = moisture content = 12% per compliance with Rule 403

Four separate drops are assumed for bulk material movement as a worst-case

Maximum daily throughput (tasks 5 and 6) is 350 cy and total 7,000 cy with density of 1.35 tons/cy

	tons/period	Transfer Points
Max Day	473	4
Annual	9,450	4

Emission Factors and Emissions

Emission Factors

PM10 Daily	PM2.5 Daily
0.00038	0.00006

Emissions (Lbs/day)

	PM10	PM2.5
Max Day	0.72	0.11

Emissions (lbs)

	PM10	PM2.5
Annual	14.37	2.18

Ladera Park Stormwater Capture Project

Fugitive Dust Emissions

2) Paved Road Dust

$$E = [k \times (sL)^{0.91} \times (W)^{1.02}] \times (1-P/4N)$$

E = lb/VMT

k = Constant (0.0022 for PM10 and 0.00054 for PM2.5)

sL = Silt Loading (conservatively assumed to be 0.06 g/m² for 5,000<ADT<10,000 of Table 13.2.1-2)

W = Average weight of vehicles in tons (calculated below)

P = Days of precipitation (34 assumed for annual calculation)

N = Days in period (365 for annual calculation)

Average Vehicle Weight Calculation

Assumptions

Passenger Vehicles = 2 tons average

Midsize "Delivery" Vehicles = 12 ton average

Heavy-Heavy Duty Trucks = 27 tons average (loaded 40 tons, unloaded 14 tons)

Daily Case VMT	Passenger Vehicles	Delivery/Work Vehicles	Heavy-Heavy Duty Vehicles	Total Paved VMT	Average Weight (Tons)
Tasks 5,6	720	40	890	1,650	17.3

Project VMT	Passenger Vehicles	Delivery/Work Vehicles	Heavy-Heavy Duty Vehicles	Total Paved VMT	Average Weight (Tons)
Total	68,700	5,280	29,940	103,920	10.6

Daily Emission Factors (lb/VMT)

Max Day	PM10 Daily	PM2.5 Daily
Task 3	0.00312	0.00077

Emissions (Lbs/day)

Max Day	PM10	PM2.5
Task 3	5.15	1.26

Annual Emission Factors (lb/VMT)

	PM10 Annual	PM2.5 Annual
Total	0.0018	0.0005

Emissions (Tons)

	PM10	PM2.5
Total	0.10	0.02

Fugitive Dust Emissions Summary

Maximum Day

	Maximum Lbs/Day	
	PM10	PM2.5
Material Loading/Handling	0.72	0.11
Paved Road Dust	5.15	1.26
Total	5.87	1.37

Total Fugitive Emissions

	Total Tons	
	PM10	PM2.5
Material Loading/Handling	0.01	0.00
Paved Road Dust	0.10	0.02
Total	0.10	0.02

Ladera Park Stormwater Capture Project

Localized Criteria Pollutant Emissions Summary

Assumptions

- 1) Maximum localized emissions occur during Tasks 5 and 6, with on-road emissions occurring outside of the work area
- 2) Peak localized emissions that occur closest to the on-site sensitive receptors are conservatively assumed to include:
 - a) All off-road equipment emissions, that includes all water truck emissions and emissions occurring in the adjacent soil borrow area.
 - b) None of the on-road emissions, including paved road dust are included in the on-site emissions
 - c) One half of the worst-case daily on-site soil handling fugitive dust emissions are included, the other half occurs at the off-site unloading/loading location.

Unmitigated Emissions

Daily Emissions - Worst Case Unmitigated Task Overlap

Emissions Source	CO (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Offroad	41.70	28.48	1.40	1.29
Fugitive Dust	--	--	0.36	0.05
Total	41.70	28.48	1.76	1.35

Ladera Park Stormwater Capture Project

Greenhouse Gas Emissions

Onroad Vehicle GHG Emission Calculations

Assumption:

1. GHG emissions are estimated based on guideline and emission factors provided by The Climate Registry General Reporting Protocol (ver. 2.0 March 2013), and March 2017 updated default emissions factors and AR5 Global Warming Potentials of 28 and 265 for methane (CH4) and nitrous oxide (N2O).

EMFAC 2014 Fuel Consumption Rate in South Coast Air Basin for 2019 (gallon/mile)

Passenger	Gasoline	0.0404
Delivery	Diesel	0.1149
Heavy-Heavy Duty	Diesel	0.1743

TCR Table 13.1 Carbon Dioxide Emission Factors for Transport Fuels (kg CO2/gallon)

	CO2
Motor Gasoline	8.78
Diesel	10.21

TCR Table 13.5 Emission Factors for Each Fuel and Vehicle Type (g/mile)

		CH4	N2O
Passenger	Gasoline	0.0168	0.0051
Delivery	Diesel	0.0010	0.0015
Heavy-Heavy Duty	Diesel	0.0051	0.0048

Onroad Emission Factors - 2019 (pounds/mile)

	CO2	CH4	N2O
Passenger	0.78	3.7E-05	1.1E-05
Delivery	2.59	2.2E-06	3.3E-06
Heavy-Heavy Duty	3.92	1.1E-05	1.1E-05

Total On-road GHG Emissions

	VMT	Total Emissions (tons)			
Vehicle Type	Total	CO2	CH4	N2O	CO2e
Passenger	68,700	26.86	0.00	0.00	27.00
Delivery	5,280	6.83	0.00	0.00	6.83
Heavy-Heavy Duty	29,940	58.73	0.00	0.00	58.78
Totals		92.42	0.00	0.00	92.61

Ladera Park Stormwater Capture Project

Greenhouse Gas Emissions

Construction - Offroad Equipment GHG Emission Calculations

Assumptions:

1. GHG emissions are estimated based on guideline and emission factors provided by The Climate Registry General Reporting Protocol (ver. 2.0 March 2013) and April 2015 updated emissions factors
2. For diesel-fueled equipment, fuel consumption rate of 0.38 lbs/bhp-hr and density of 6.8 lbs/gallon are used.

TCR Table 13.1 Carbon Dioxide Emission Factors for Transport Fuels (kg CO₂/gallon)

	CO ₂ (kg/gallon)
Motor Gasoline	8.78
Diesel	10.21

TCR Table 13.7 Methane and Nitrous Oxide Emission Factors for Non-Highway Vehicles

Construction	CH ₄ (g/gallon)	N ₂ O (g/gallon)
Gasoline	0.50	0.22
Diesel	0.58	0.26

Total Offroad GHG Emissions

	Fuel Use (gallon)	Total Emissions (tons)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
Gasoline	259	2.50	0.00	0.00	2.53
Diesel	10,093	113.62	0.01	0.00	114.65
Totals	10,352	116.12	0.01	0.00	117.18

Indirect Water Use CO₂e Emissions

Assumption:

1. This is assumed to be based on 11.111 MWh per million gallons or 3.62 MWh per acre-foot (Navigant, 2006; p. 2), with approximately 1.5 acre-feet of water required during construction (~4,000 gallons per day); and 661.24 lbs of CO₂e/MWh (equivalent to approximately 1.2 tons of CO₂e/acre-foot of water).

	Acre-feet	MWh/Ac-ft	CO ₂ e/MWh	CO ₂ E
Construction	1.5	3.62	661.24	1.80

lbs/MWh Tons